BUYERS' DIRECTORY NUMBER FOR FLEETS

NOVEMBER 1953

NOV 16 '53

ccj COMMERCIAL CAR JOURNAL

THE MAGAZINE FOR TRUCK AND BUS FLEET OPERATORS

REO 3-WAY TRANSPORTATION

is your dish!

Like Mama, Papa and Baby Bear,
Each business has needs of its own,
So, REO will sell . . . or lease . . . or maintain
To cut truck costs to the bone.

1. BUY REO . . . AMERICA'S TOUGHEST TRUCK

Reo's famous *Gold Comet* power, increased payload design, shorter turning radius, easier maneuverability and lower maintenance all add up to . . . the lowest cost miles in trucking.

2. LEASE TRUCK TRANSPORTATION **BY THE MILE***

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*now available in most areas.

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Reo's P.O.L.A.R. Plan is absolutely unique. A fixed low cost buys all maintenance . . . Parts, Oil, Lubrication, Adjustment, Repair. Gone is the gamble from trucking . . . you know what every single mile will cost.

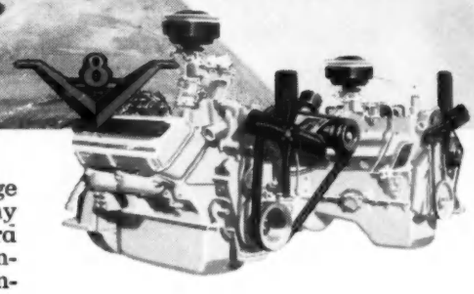
FOR FREE SURVEY OF YOUR NEEDS, SEE YOUR NEARBY REO REPRESENTATIVE

REO MOTORS INC., Lansing 20, Michigan

ANNOUNCING

NEW DODGE "Job-Rated" TRUCKS

TWO GREAT ENGINE LINE-UPS!

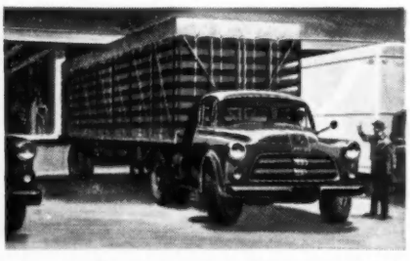


Powerful V-8's and Thrifty 6's! In addition to famous 6's, Dodge offers high-efficiency V-8 engines . . . most powerful V-8's of any leading trucks. Available in 1½-, 2-, 2½-ton models . . . standard in 2¾-, 3-, 3½-ton trucks! Revolutionary hemispherical combustion chamber for greater efficiency, more power, less maintenance!

New! Over 75 Features! New low work-saving design, new road stability, new extra-tough frames, new rear axle capacities and ratios in 2¾- through 4-ton models. New fuel systems meet rigid I.C.C. safety standards.

Free book on power explains 3 basic kinds of engine efficiency . . . tells how you can get more power and economy. Get free copy at your friendly Dodge dealer's!

NEW higher G.C.W.'s!



Gross combination weights increased 3000 to 5000 lbs. in 3-, 3½-, and 4-ton models! Power steering available in 4-ton jobs!

NEW comfort, visibility!

New easy-chair seats! New sealing against dust, drafts! New one-piece windshield! More vision area than any leading make!

NEW shorter tractors!

Only 8½ ft. from bumper to rear of cab, lets you use 35-ft. trailers in any state! New steering system for top maneuverability!

NEW! Even greater value . . . yet still priced with the lowest

DODGE "Job-Rated" TRUCKS

Courtesy Model Laundry—Cincinnati, Ohio

The Distinguished Metal for Economy

Aluminum vs. Steel Bodies—David and Goliath all over again! Aluminum Economy vs. Steel's *Excessive* Corrosion, Denting and Deadweight—that is the issue in today's Route Truck buying.

The swing to heat-treated Aluminum Alloy Bodies is an economic fact, not a fad. Astute business leaders are paying more for Olson "Kurb-Side" Bodies because they get their investment back through savings, plus a profit. Olson Bodies are "Symbols of Success"—they outlast the chassis, just as aluminum bodies now more than 20 years old in over-the-road hauling, have outlasted two or more chassis.

Aluminum Alloy, The Distinguished Metal for Economy, weighs only one-third as much as steel, so Olson Bodies are equipped with ⅛-inch thick side panels, side skirts, rub rails and rear panels instead of the 1/20th-inch of steel panels. Yet, the use of aluminum alloy and aero design principles results in approximately half the body weight for equivalent loadspace.

Thick, aluminum alloy "Saves 90% of routine denting," say users; saves excessive corrosion; saves tire wear, gasoline, brake and clutch repairs and reduces king pin, spindle, spring and bearing replacements. It also lessens the strain on the engine and cooling system — that means fewer valve and ring jobs and more miles per gallon.

How strong is aluminum alloy construction? A conservative insurance company offers you $20,000 worth of insurance for only $1.00 that an aeroplane's light-weight aluminum alloy sheets, held together with little rivets, will get you there and home again safely at high speeds through storms and stresses. That's aerotype aluminum alloy construction, and it justifies the insurance company's risking $20,000 to make a fraction of a dollar profit.

Your deliveries take place out of your sight, but that's no reason for wasting your profits. Put more into your deliveries to get more out — ask your Ford, Chevrolet or GMC dealer about Olson Kurb-Side Aluminum Alloy Bodies. Write us for a *free* sample of ⅛-inch-thick aluminum alloy to compare with the thin steel used for truck bodies. Also, for information about Olson standard features that are "Extras" in other bodies.

J. B. E. OLSON CORPORATION
1740 Broadway, New York 19, N. Y.

COMMERCIAL CAR

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EDITORIAL CONTENTS

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This Month's Features

ANNUAL FLEET OPERATORS BUYERS' DIRECTORY

Begins on page 67
Fleetmen's Association Directory 83

ALSO

The Overload 5
At Your Service 9
Dates and Doings 20
Defending Champs Win Truck Roadeo 24
Dodge Offers V-8 in 1954 Truck Line 26
Body Builders Review Industry Problems.... 28
Bulletin Board 52
New Truck Registrations 54
Free Publications 57
New Product Descriptions 58
Washington Runaround 62
Detroit Dispatch 64
November Roundup 66
Fleet Training Course School Directory 151

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November, 1953

JOURNAL

CCJ READER DIGEST

Fleet Operators Buyers' Directory

Just as much a shop tool for keeping your fleet at top operating efficiency as a wrench or a brake grinder, this annual Fleet Operators Buyers' Directory lists over 1000 products commonly used in maintenance operations together with more than 9000 addresses of where to get those products.

It is a directory that is quick and easy to use: (1) the top of each page is indexed in large type; (2) each product name is in bold type; and (3) a multitude of cross references lead right to the list you want. Begins on page 67.

Fleetmen's Association Directory

Truck and bus users, continually faced with questions about design, operation, state and federal laws and regulations, will find this directory of associations gives the source of authoritative answers to those problems. Included are state, local and national bus and truck operator associations, manufacturer associations, Society of Automotive Engineers local sections and local fleet maintenance associations. Begins on page 83.

Fleet Training Course Directory

An added, special feature this year is this list of colleges and universities offering various fleet training courses. Complete names and addresses are included so you can obtain advance notice of courses being offered in your area. Page 151.

Defending Champs Win Roadeo

For the first time in the history of the event and in competition with 51 eligible state winners, the defending champions won this year's National Truck Roadeo. Page 24.

Dodge Offers V-8 in 1954 Truck Line

With straight truck GVW ratings from 4250 to 40,000 lb and up to 60,000 lb GVW for combinations, Dodge, in its 1954 truck line, offers 12 power ranges with 7 engines including two V-8 models. Page 26.

Body Builders Review Problems

Refrigerated body design and low temperature operation were big topics at the recent Truck Body and Equipment Assn. meeting. Page 28.

THERE'S NO SUCH THING AS NORMAL CONDITIONS IN THE FLEET BUSINESS

A BLUE STREAK headlight relay can make quite a difference on a night like this (or on any night for that matter). Increases light output of headlight beams from 30 to 100%, *even on new lights*, without using additional juice, by sending the current directly from the battery to the headlights. Just be sure to ask for "BLUE STREAK", the *original* headlight relay. It has extra heavy-duty windings, heavier contacts, heavy terminals, and the fuses are located outside the metal case for easy accessibility. BLUE STREAK headlight relays on your trucks help to prevent accidents during those long winter nights on the road. Standard Motor Products, Inc., 37-18 Northern Boulevard, Long Island City 1, N. Y.

BLUE STREAK

Blue Streak

PIONEER IN HEAVY DUTY IGNITION

YOU CAN SAVE PLENTY ON BATTERIES

with this simple maintenance plan

Perhaps you never realized that there's big money to be saved in a relatively small item like batteries. There is, and we can show you how—by prolonging the life of every battery in your fleet.

The Goodyear Battery Maintenance Plan eliminates the biggest cause of battery wear and failure—*incorrect voltage regulation.*

If the voltage setting is too high, the battery will receive an overcharge—and burn out before its time. If the generator voltage is too low, frequent recharges are required—causing needless and expensive road delays.

Here's how the plan operates. When your maintenance man waters batteries, he makes a quick test with the Goodyear All-Purpose Battery Tester—then marks his findings on a Fleet Battery Record Card.

As long as his marks fall within the normal zone (the stripe indicated on the card above), he knows the voltage regulation is right. Any mark outside the zone indicates potential trouble—lets you correct it before it happens.

By using this plan, you'll increase the life, not alone of your batteries, but of every unit in your electrical system. You'll save plenty on operating costs—and you'll save even more by using it with Goodyear Heavy-Duty Truck and Bus or Diesel type batteries. You'll find the whole story in a booklet called the Goodyear Fleet Battery Maintenance Manual. Clip the coupon below and send for it today. It's free.

Goodyear, Battery Department, Akron 16, Ohio

GOODYEAR

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FREE BOOKLET TELLS HOW TO PROLONG BATTERY LIFE

THE GOODYEAR TIRE & RUBBER COMPANY, INC.
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Please send me a copy of the Goodyear Fleet Battery Maintenance Manual.

Name.....

Firm Name.....

Street Address.....

City.....**Zone**.....**State**.....

Number of Trucks in Fleet.....

We think you'll like "THE GREATEST STORY EVER TOLD"—every Sunday—ABC Radio Network—THE GOODYEAR TELEVISION PLAYHOUSE—every other Sunday—NBC TV Network

The OVERLOAD

EDITORIAL COMMENT

Truck Transportation Week

NOVEMBER 16 to 22 has been designated as Truck Transportation Week. By the time most readers see this page the week will be upon us. So the most we can do now is to supply a brief last-minute fill-in which we hope may boost participation. Here are a few of the most frequently asked questions and the answers as we see them.

QUESTION: Is Truck Transportation Week a good idea?

ANSWER: Yes! As this is being written it is national macaroni week. It's probably three or four other "weeks" to specialized interests. There are hundreds on the books. Yet the industry that has become the nation's second largest employer, that forms a vital link in the lives of all Americans, that has just been honored with a commemorative stamp to help celebrate its 50th anniversary wonders if it should have "a week." Of course it should.

QUESTION: Should I, as a common, contract or private carrier participate?

ANSWER: Yes! The sponsors have carefully avoided the use of a national week. The venture will be successful in some communities; unheard of in others in direct proportion to the enthusiasm and active participation of trucking interests at the community level.

QUESTION: Why didn't I hear about it sooner?

ANSWER: You did, if you are a student of fine print. CCJ had the story on page 60 of the October issue. But truth of the matter is that it took time to get it rolling and sponsors wanted the stamp issue settled first.

QUESTION: Who are the sponsors?

ANSWER: The Independent Advisory Committee to the Trucking Industry, Inc. It is better known as the ACT committee for the first letters in the key words of the title, and as a symbol of its intentions. Re-organzied this year as successor to the Trucking Industry National Defense Committee, its directorate includes:

Dave Beck for the Teamsters.

Walter Carey for American Trucking Associations.

Roy Fruehauf for the manufacturers.

B. M. Seymour (Associated Transport) for carriers.

QUESTION: What has been done to date?

ANSWER: An extraordinarily complete kit comprising working suggestions to the truck operator, newspapers, radio and TV was mailed by the ACT committee on October 14th to leaders of the industry across the nation. In every state it has gone to two co-chairmen. Generally speaking one chairman is the titular head of the Teamsters organization in the state; the other represents ATA as president or manager of the state ATA affiliated association.

QUESTION: What can I do about it now?

ANSWER: If you are one of the leaders that has the ball rolling; keep it rolling. If you don't fit that category contact a state chairman (see above) to see what's being done in your community. The ACT Committee, 1000 Vermont Ave., Washington 5, D. C., or its public relations counsel, Publicity Consultants, 247 Park Avenue, New York 17, N. Y., are ready with full details at the drop of a telegram or phone call.

QUESTION: What is there in it for me?

ANSWER: A real chance to tell Mr. & Mrs. America some mighty important things about the Truck Industry. It's a wonderful opportunity to strengthen relations and understanding with the press, a relationship that with rare exceptions is getting better day by day. Could be there will be a parade in your town, or an "open house" at the terminal. But above all else let's tell America that the truck industry is not only big and little business combined in one great industry, but also people—about 6,000,000 of the nation's best.

To borrow an airline expression for the moment: "Don't be a no show."

Bart Rawson
Editor

PROVE IT

NO OTHER chassis lube protects like TEXACO MARFAK

Make the famous *Texaco Marfak* "Hammer Test" and you'll strike a blow for lower maintenance costs. No matter how hard you hit it, *Texaco Marfak* won't splatter — proof positive that *Texaco Marfak* in your chassis bearings gives longer lasting protection.

Because of its remarkable adhesive and cohesive properties, *Texaco Marfak* withstands the "hammer blow" pounding of roughest roads, the squeezing pressure of heavy loads. It *stays in* the bearings, seals out dirt and moisture, and gives extra hundreds of miles of protection against wear and rust.

In wheel bearings, you can get similar fine results with *Texaco Marfak Heavy Duty.* It, too, seals out dirt and moisture, seals itself in . . . assuring longer lasting protection and safer braking. No seasonal change is required.

MORE THAN 500 MILLION POUNDS OF TEXACO MARFAK HAVE BEEN SOLD

In engines — heavy duty gasoline or Diesel — use *Texaco D-303 Motor Oil.* It's fully detergent and dispersive, cleans as it lubricates. You can count on full power, less fuel consumption, lower maintenance costs.

In transmissions and differentials, use *Texaco Universal Gear Lubricant EP.* It assures smoother operation, prolongs gear life.

A Texaco Lubrication Engineer will gladly help you simplify your maintenance lubrication and reduce operating costs. Just call the nearest of the more than 2,000 Texaco Distributing Plants in the 48 States, or write The Texas Company, 135 East 42nd Street, New York 17, N. Y.

TEXACO

At Your Service

TIMELY NOTES ON MAINTENANCE AND OPERATION

by **MURRAY SIMKINS** Managing Editor

Higher Powered Truck Engines

A PREDICTION in this column in October mentioned features that would probably be found in truck engines in 1960. Our Detroit Editor now reports that several prominent truck builders will offer a number of high powered, high compression V-8's in announcements to be released in the next sixty days. (For example, see page 26, this issue.) It is of interest that at least one group of V-8's will have a Bhp/cu in. ratio in excess of 0.5; and compression ratio of 7.2 to 1.

Judging by this confidential look ahead, the engine of 1960 is already here today. And if that is true, we should expect much bigger gains by 1960. As a matter of fact, maybe we shall be toying with gas turbines by then—those of us still around, that is.

Distributor Rotor Breakage

A RECENT investigation has shown that if the various component parts in the distributor all fall on the one side of the specifications, there is a possible interference of approximately 0.004 in. between the end of the distributor rotor blade and the contacts of the distributor terminal housing.

When necessary to install a new rotor or terminal housing, it is recommended that this condition be checked by removing the distributor from the engine and rotating the shaft by hand with the terminal housing in place. The same interference can come about if the distributor terminal housing is not set squarely on the distributor base.

The interference can be corrected by removing approximately 0.005 in. to 0.006 in. of metal from the end of the blade. This can be done with either emery cloth or a file. (Note: Be sure to remove all metal chips and filings after removing material from rotor.) Care must be exercised not to remove more than the specified amount of metal.

IHC Starter Drive for SD Engine

A NEW starter drive, "folo-thru" type, is now made available for the SD engine. This type starter drive is designed to overcome premature demeshing of the drive pinion from the flywheel ring gear, until a predetermined engine speed is reached. This action assists engine starting during weak firing impulses, which would normally throw the conventional starter drive out of engagement. It is interchangeable with the old starter drive as a complete starter drive unit only.

ICC Modifies Brake Requirements

The Interstate Commerce Commission has modified its motor carrier safety regulations covering brake requirements. The modified regulation is in Ex Parte No. MC-40, Part 193, 42(c), dealing with parts and accessories necessary for safe operation and formerly read: "Trucks and truck-tractors having three or more axles need not have brakes on the front wheels." The amendment now reads: "Trucks and truck-tractors having three or more axles need not have brakes on the front wheels, except when such vehicles are equipped with at least two steerable axles, the wheels of one such axle need not be equipped with brakes." The White Steering Pusher Tractor falls under this amendment inasmuch as it has two steerable axles, and, under the amendment, can be used with brakes either on the front wheels or steering pusher axle.

Chevrolet Camshaft Removal

IT HAS been reported that some mechanics are exercising a short cut in the camshaft and timing gear removal and replacement procedure. This short cut, which eliminates the removal of the grille, involves breaking the fiber gear with a hammer to remove the camshaft. The new camshaft is then installed in the engine and a new fiber gear is driven on with a long driving rod and hammer by working through the grille openings. This same method is used to install the harmonic balancer.

Highly unsatisfactory results have been observed from this method. Some of these are:

1. Excessive camshaft end play.
2. Camshaft bearing plug driven up against clutch housing and bent, resulting in an open passage for oil leakage.
3. Camshaft fiber gear cracked.
4. Camshaft bearings damaged.
5. Damage to harmonic balancer consisting of mutilated rivet heads and bent damper plate which squeezed rubber out and affected balance and

(TURN TO PAGE 12, PLEASE)

YOU'R

"My
tau
the

"My home workshop taught me a lesson . . .

there's no substitute for quality"

S. Ripans

PYRAMID MOTOR FREIGHT CORP.
NEW YORK 14, NEW YORK

"East side, west side, all around the town . . . is the call of today's truck driver. This calls for a close tab on operating costs by our maintenance crew. We started using the Auto-Lite 'Sta-ful' Battery and quickly learned it cut servicing problems by a big margin, because 'Sta-ful' requires water only 1/3 as often and lasts longer than ordinary batteries," says Mr. Sidney Ripans of Pyramid Motor Freight Corp., New York City.

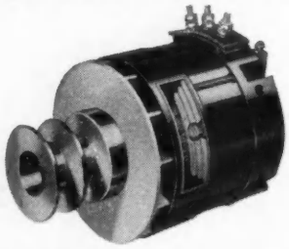
"A stalled truck does not make money. We're in business to make money. Auto-Lite 'Sta-ful' has helped make our profit story a better one by helping to keep our trucks on the go."

U'R ALWAYS RIGHT WITH AUTO-LITE

AUTO-LITE batteries

for more runs completed on time

you can rely on Leece-Neville Alternators



Think what freedom from electrical breakdown can mean for *your* fleet! Over 7 years performance has proved the reliability of L-N Alternators... many have run over 500,000 miles. 25 to 40 amperes at idle. 50 and 95 amps capacity for 6 volt; to 150 amps for 12 volt. *Send for all the facts today.*

YOU CAN RELY ON Leece-Neville

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AC-DC Alternator Systems • DC Generators • Starting Motors • Regulators • Switches • Small Motors • Air Starters

for truck, bus, diesel, off-highway, passenger car, railroad, marine, industrial installations

The Leece-Neville Co., Cleveland 14, Ohio

Yes, send me the facts on L-N Alternator Systems.

Name _____ Title _____

Company _____ MAIL TODAY

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CCJ At Your Service

Continued from Page 9

tuning. This latter results from the driving force being applied to the rivets and bumper plate since the hub does not line up with a grille opening.

6. Early repeat failure of camshaft or timing gears.

Therefore, according to the company, camshaft replacement should be carried out as outlined in Section 6 of the Chevrolet Shop Manual.

Makings of a Maintenance Man

ADAM EBINGER, of St. Louis Public Service Co., recently outlined in a talk, before the Ethyl Transportation Conference, some important qualifications required in a top maintenance man. Might check yourself, here, to see if you live up to required standards.

1. The most important requirement, of course, is "know-how." This has become quite a descriptive word in our present day language, and represents the head of a department as well as his supervisory force. You find manufacturing companies depending on "know-how" to produce better products at reasonable prices.

2. The acceptance of authority and responsibility of the job, and the delegation by management of these functions, must be established. In order to gain the trust of management, the maintenance man must earn it through use of good judgment, planning, and performance.

3. Personality is difficult to define, but certainly this type of work requires great interest in your job, and a wholehearted, pleasant attitude toward it and the men responsible for helping you.

4. An open mind with a great thirst for adding to your store of knowledge is most important. It is necessary to make comparisons with other operations, find new methods, ideas, material, and keep up with the advance of science as applied to this industry.

5. The ability to develop proper facilities, such as improvements in the buildings, tools, heating, lighting, ventilation and cleanliness. Good housekeeping generally brings good maintenance from satisfied employees. You cannot today expect men to work under dirty conditions or use dirty toilets.

6. The ability to select your own employees and train them for each job. The personnel department cannot do anything other than check a man for aptitude or record what he has been doing. You must be able to do the final hiring and then instill into the new employee the will to learn and the pride of accomplishment.

Studebaker Clutch Jobs

TO OBTAIN proper operation of the clutch throw-out collar assembly on the transmission front flange of the 2R series, the release collar spring must be installed in the proper position.

(TURN TO PAGE 14, PLEASE)

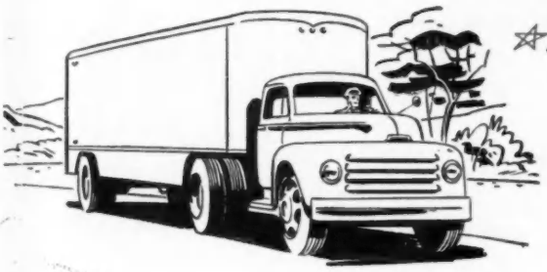
The "Unseen Differences" Built Into...

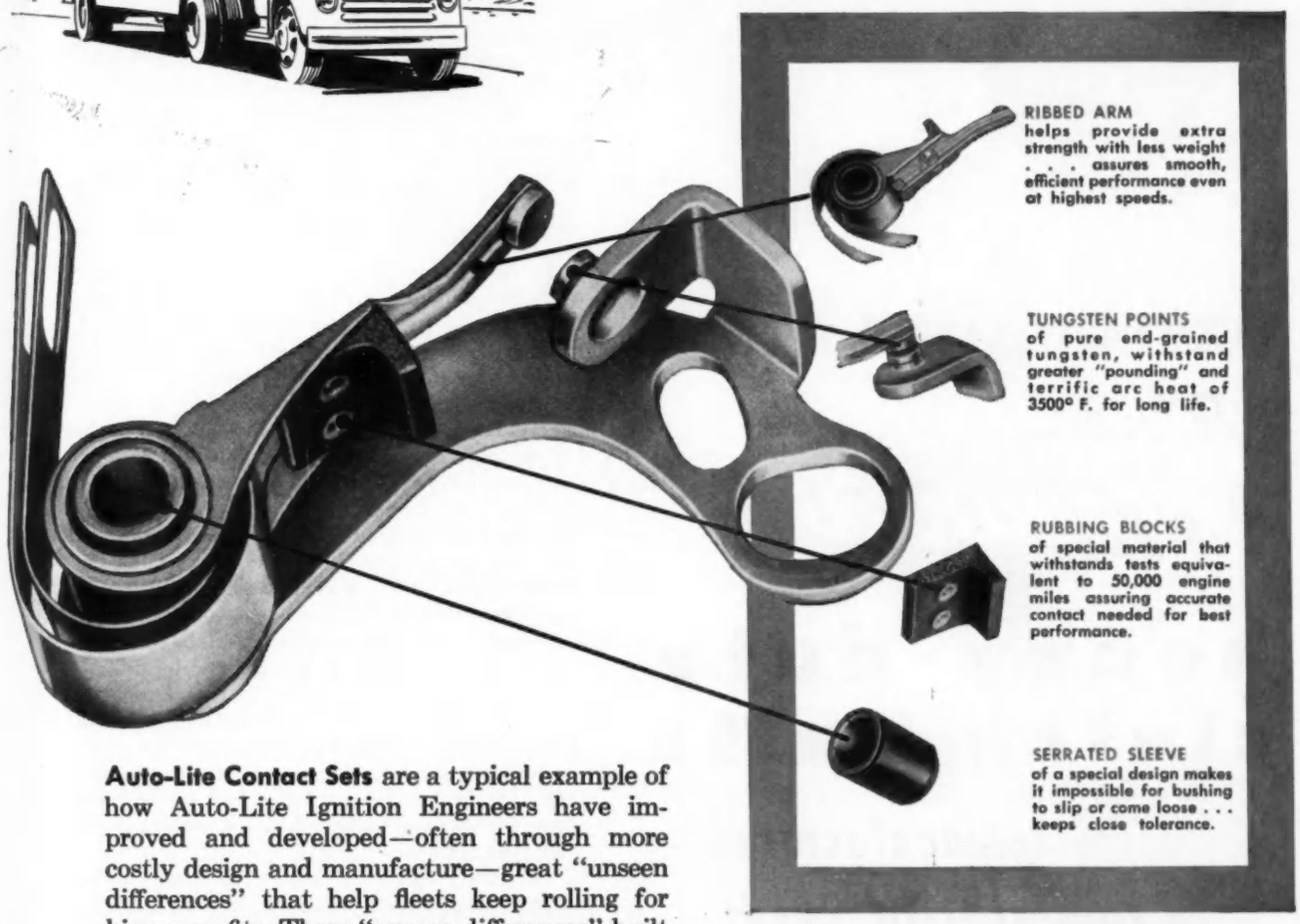
AUTO-LITE SERVICE PARTS

★REDUCE COSTLY "BREAK DOWNS"

★ASSURE BEST PERFORMANCE

★HELP BOOST PROFITS





Auto-Lite Contact Sets are a typical example of how Auto-Lite Ignition Engineers have improved and developed—often through more costly design and manufacture—great "unseen differences" that help fleets keep rolling for bigger profits. These "unseen differences" built into Auto-Lite Original Service Parts guarantee best performance and dependability . . . proved by this fact: more than half of America's car and truck makers specify Auto-Lite. Insist on Auto-Lite quality in your fleet.

THE ELECTRIC AUTO-LITE COMPANY
Parts & Service Division
Toledo 1, Ohio

MONEY CANNOT BUY BETTER AUTOMOTIVE ELECTRICAL EQUIPMENT

ORIGINAL
AUTO-LITE
SERVICE PARTS

extra miles from

RE-NU Accurate

heavy-duty clutch units

custom remanufactured to your specific needs sold or economically exchanged by your ReNu-Accurate Jobber

WRITE FOR NAME OF NEAREST JOBBER

Accurate Parts Mfg. Co. • 12435 Euclid Ave. • Cleveland 6, Ohio
Replacement Unit Co. • 1505 Rockwell Ave. • Cleveland 14, Ohio

ccj At Your Service

Continued from Page 12

The spring has one and one-half coils. The spring should be installed with the single coil at the top of the collar and the double coil at the bottom. When installed in this way, the bearing and collar are held in proper relationship, eliminating any binding of the collar on the flange and also eliminating spring breakage.

Whenever the clutch throwout bearing assembly is removed from the transmission flange, coat the inside of the throwout bearing sleeve with a high melting point grease.

Some Piston Ring Myths

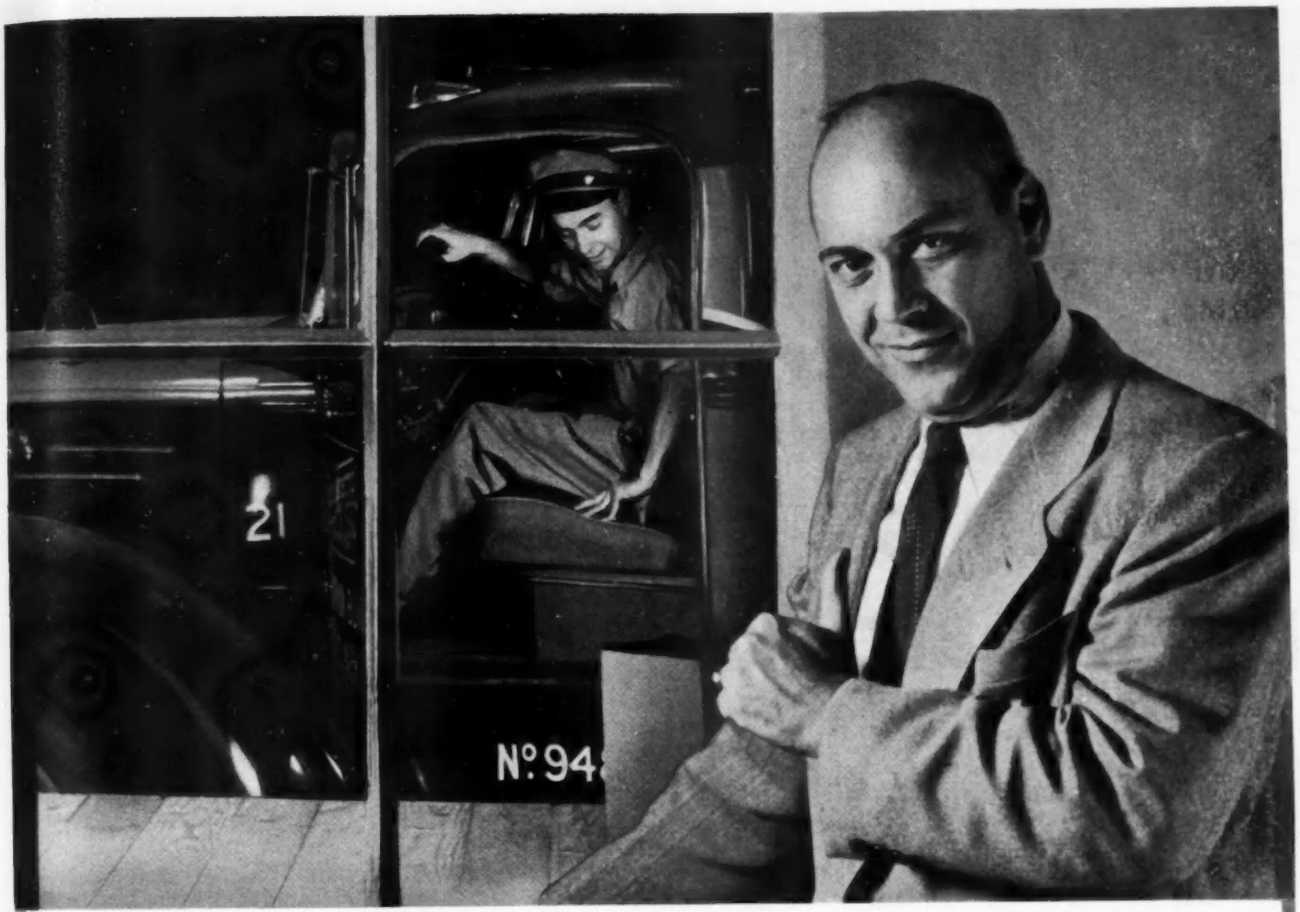
By A. M. Brenneke and Karl H. Effman
Perfect Circle Corp.

A GREAT deal of the mythical in this field centers around the gap or joint of the ring. We recently surveyed the patent file and found approximately one hundred patents on ring joint constructions. In most engine applications there is probably no other feature of ring design of less importance. End clearance leakage is important in most diesels since gap leakage is appreciable at cranking speeds and ease of starting is quite a consideration. In any ring joint construction, leakage is determined by the circumferential end clearance and the amount the ring overhangs the side of the ring groove since the cavity back of the top ring operates practically at combustion chamber pressure. Leakage therefore is the same for butt joint, step joint and angle joint types as shown in Slide 23. A theoretically leak-proof joint can be obtained by using a step construction which is stepped in both horizontal and vertical planes. To actually seal completely, the circumferentially overlapping surfaces must have zero clearance which is not commercially practical. However, the initial clearance that can be held between these surfaces (.000-.008) does not increase with ring and cylinder wear.

The newer overhead valve engines may eventually warrant more serious consideration of ring gaps. There is considerable evidence that the top ring gap may spray the spark plug with oil if it happens to be adjacent the plug when the engine is operating at high speed with closed throttle.

Whether or not rings turn on the piston is another frequent source of debate. In all of our experience we have found that they do turn. Examination of wear marks on the side surfaces is usually enough to convince the doubters. The necessity of pinning rings in two-cycle engines with large ports is further evidence of rotation. Many theories are available as to how and why rings rotate, but no proved explanation can be offered. Probably the most plausible theory is that rotation is a function of alignment of the various recip-

(TURN TO PAGE 18, PLEASE)



Airfoam—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

-and I'M more comfortable in the POCKETBOOK!

BEFORE I had my own fleet, I pushed a highway rig—so I know what my "boys" are up against. That's why I specified full-depth AIRFOAM cushioning in the cabs of all new equipment.

I figured that, just as it does in passenger cars, AIRFOAM would gentle the jars, ease the achin' backs—and help keep my drivers on the beam.

I was right—and there was another big plus that I hadn't really figured on:

With over 150,000 miles clocked off, not ONE of those full-depth AIRFOAM cushioned seats has ever needed repairs or replacement!*

Yes, AIRFOAM pays off both ways: over the roads—and in the Maintenance Department!

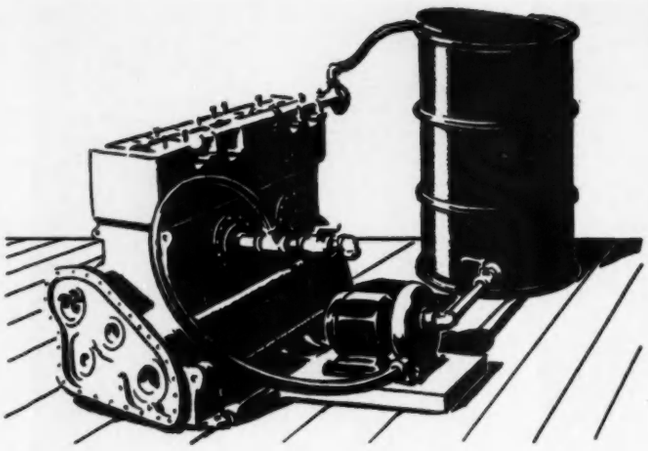
**From actual fleet records. For more, by the men who buy and ride, write Goodyear, Automotive Products Dept., Akron 16, Ohio.*

AIRFOAM contains over half a MILLION air cushions to each cubic inch—and they *interconnect!* That's why AIRFOAM cushioned seats "breathe" with every motion—stay cool and fresh and buoyantly comfortable for the life of the truck!

Airfoam MADE ONLY BY GOODYEAR

THE WORLD'S FINEST CUSHIONING

We think you'll like "THE GREATEST STORY EVER TOLD"—every Sunday—ABC Radio Network—THE GOODYEAR TELEVISION PLAYHOUSE—every other Sunday—NBC TV Network



DESCALING ENGINE BLOCKS

Simply, inexpensively by circulating Oakite solution

Consistent use of a specialized Oakite desludging and descaling compound, for the conditioning of motor blocks and cylinder heads, has solved the troublesome problem of power plant over-heating for a large transportation outfit in the West.

Here the disassembled block and heads are immersed in a near-boiling solution of Oakite OKEMCO. Units are then rinsed thoroughly and re-assembled, ready for descaling.

With the simple home-made descaling device shown above, consisting of a 55-gallon solution-holding drum, a ¼-horse power electric motor, plus hose and pipe, Oakite Compound No. 32, scale-dissolving solution, is pumped from the bottom of the block, up through the block to the head and back to the drum. Neutralizing and rinsing complete the job.

For further details drop a line to Oakite Products, Inc., 26D Rector Street, New York 6, N. Y. No obligation.

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Continued from Page 14

rocating and rotating parts of the engine and the crankshaft vibration characteristics. Continued operation of engines in a torsional period has often been observed to cause ring spinning and rapid groove wear.

Contours of edges and corners of compression and oil rings, and particularly of oil rings, have given rise to many popular beliefs. The advent of chrome plating has done much to dispel the mystery of corner contours and the old belief that edges and corners must be square and sharp. Round or chamfered corners were a necessary feature to prevent treeing of corners in the chrome plating process and a great amount of careful research disclosed no harmful effect on either sealing ability or oil control. It appears that from the viewpoint of the oil film all edges and corners are square until the approach angle becomes something less than 2 deg. This type of oil ring, in spite of popular belief, shows no significant performance difference whether installed right-side-up or upside down! It is far easier to mark such rings "Top," however, than to undertake to discredit tradition.

The Right Way to Lift

LIFTING cylinders or other heavy objects can cause a great deal of trouble if not done the right way, says Linde Air Products Co. There are a few rules to remember if you are to do your lifting properly.

1. Size up the load; don't lift more than you can comportably handle.
2. Make sure that you have a firm footing and good balance.
3. Place your feet as close as you can to the load and keep the load close to your body as you lift.
4. Bend your knees and take a good, firm grip on the object.
5. Lift with your leg and arm muscles, the strongest muscles you have.
6. Lift slowly and steadily with no jerks or twisting.

Spray Painting School

BINKS Mfg. Co. will conduct a new series of Spray Painting Schools in Chicago starting early in January. Announced dates for three one-week sessions are as follows:

January 4 through January 8, 1954.
February 1 through February 5, 1954.
March 1 through March 5, 1954.

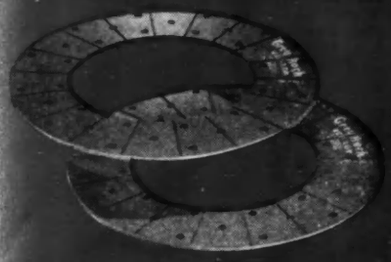
The school is set up particularly for training officials, foremen, supervisors, distributors, jobbers' representatives and others, including men who service spray painting equipment. No tuition is charged. Each student pays his tranportation and expenses while in Chicago. Enrollment applications should be made two to four weeks in advance of class dates.

Get Better Performance with Grey-Rock

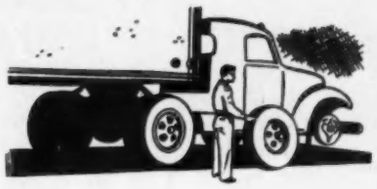
Balanced Brake Blocks for heavy duty trucks and buses

Balanced Tracksets for light trucks

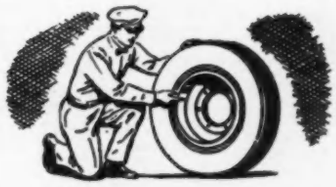
Vee-Lok® Clutch Facings for all vehicles



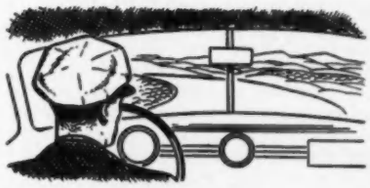
ALL MATERIAL FACTORY BRANDED FOR YOUR PROTECTION



When you reline with Grey-Rock you get the advantages of fewer adjustments and more even wear, thanks to the "balance" principle pioneered by Grey-Rock more than 20 years ago. Balance is not just a matter of high and low friction linings; it is the result of using many different linings in combinations properly engineered for each make and model. These correctly balanced combinations mean less downtime, lower maintenance costs.



Grey-Rock's smoother braking action means longer life for linings. It's easier on drums, too. Thus you get more thousands of miles between relines, and you help avoid costly drum replacements.



Smooth, certain stops give drivers more confidence at the wheel, with less fatigue!

Drivers sure of their brakes can hold to schedules more easily. For a better record of on-schedule performance, ask your jobber for Grey-Rock Balanced Trucksets for light trucks, and Grey-Rock Blocks for heavy-duty trucks and buses.

Grey-Rock

BALANCED BRAKSET LININGS

GREY-ROCK DIVISION of Raybestos-Manhattan, Inc., **MANHEIM, PA.**

RAYBESTOS-MANHATTAN, INC., Manufacturers of Brake Linings • Brake Blocks • Clutch Facings
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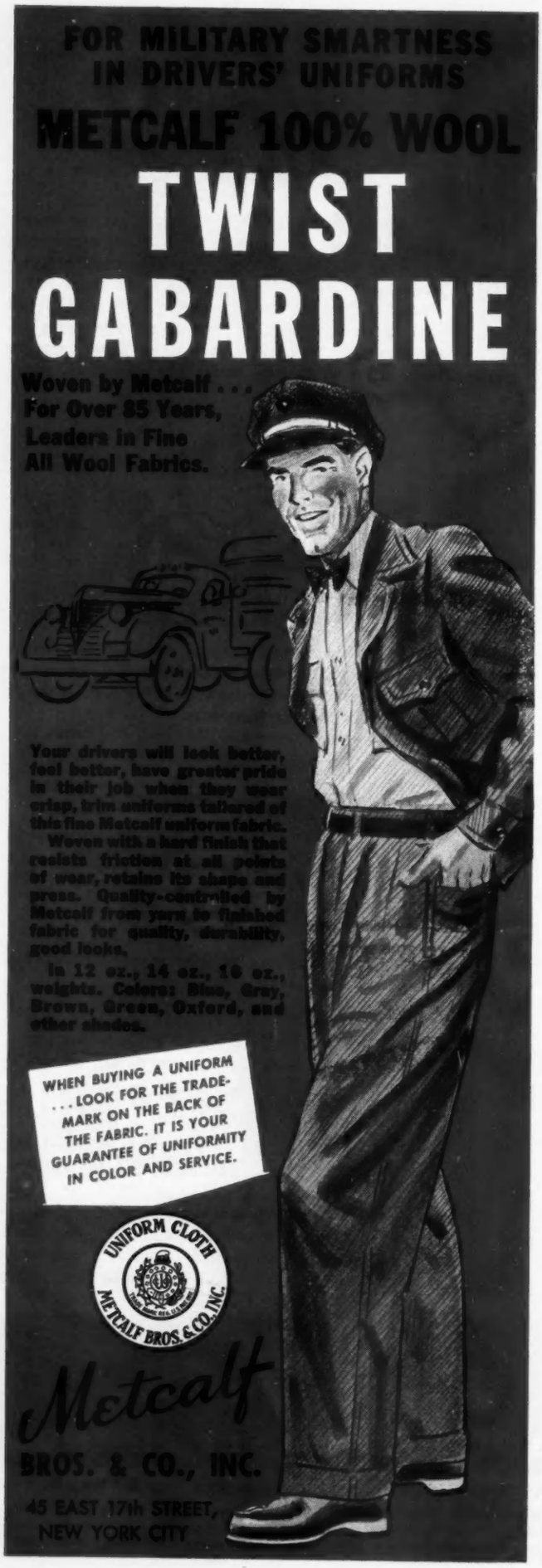

DATES *and* DOINGS

NOVEMBER

9-12—American Petroleum Institute, Conrad Hilton Hotel, Chicago, Ill.
9-12—Refrigeration and Air Conditioning Exposition (including truck refrigeration equipment), Public Auditorium, Cleveland, Ohio.
12—Maine Truck Owners Assn., Fall Round-Up, Lafayette Hotel, Portland, Me.
16-22—Truck Transportation Week, sponsored by the Independent Advisory Committee to the Trucking Industry.
18-20—Arkansas Bus and Truck Assn., Annual Convention, Marion Hotel, Little Rock, Ark.
19-21—Montana Motor Transport Assn., Annual Convention, Florence Hotel, Missoula, Mont.
22-24—Florida Trucking Assn., Annual Convention, Hollywood Beach Hotel, Hollywood Beach, Fla.

DECEMBER

3-4—Associated Motor Carriers of Oklahoma, Annual Convention, Biltmore Hotel, Oklahoma City, Okla.
6-7—Missouri Bus and Truck Assn., Annual Convention, Hotel Jefferson, St. Louis, Mo.
7-10—Motor and Equipment Wholesalers Assn., Annual Convention, Conrad Hilton Hotel, Chicago, Ill.
7-10—National Standard Parts Assn., Hotel Sherman, Chicago, Ill.
7-12—Motor Carrier Management Training Course, Michigan State College, East Lansing, Mich.
8-9—Automotve Service Industries, Executive Booth Conference, Navy Pier, Chicago, Ill.
8-9—United States Chamber of Commerce, National Highway Conference, Washington, D. C.
10—Motor and Equipment Manufacturers Assn., Hotel Sherman, Chicago, Ill.

JANUARY

9-13—National Automobile Dealers Equipment Exhibition (including truck equipment), Miami Beach, Fla.
11-13—Truck-Trailer Mfrs. Assn., Annual Convention, Boca Raton Hotel, Boca Raton, Fla.
11-15—Society of Automotive Engineers, Annual Meeting, Sheraton-Cadillac and Statler Hotels, Detroit, Mich.
28-29—National Council of Private Motor Truck Owners, Annual Meeting, Conrad Hilton Hotel, Chicago, Ill.

FEBRUARY

11-13—Oregon Motor Transport Assn., Annual Meeting, Multnomah Hotel, Portland, Ore.
17-19—National Transport Vehicle Show and Fleet Maintenance Exposition, New York, N. Y.
17-19—White House Conference on Highway Safety, Washington, D. C.

MARCH

2-4—Society of Automotive Engineers, Passenger Car, Body and Materials Meeting, Hotel Statler, Detroit, Mich.
4-7—Pacific Automotive Show, Seattle Civic Auditorium, Seattle, Wash.

APRIL

8-11—Midwest Automotive Trade Show, Kiel Auditorium, St. Louis, Mo.
27-30—Tri-State Regional Automotive Show, Pittsburgh, Pa.

demands the best!

BE SAFE... BE SURE

depend on the 3R'S for better brakes

1 REFILL with Wagner Lockheed Hydraulic Brake Fluid

There isn't a safer brake fluid on the market than Wagner Lockheed No. 21-B. It is a high quality, all-season, heavy duty brake fluid that functions perfectly under all climatic conditions. It is chemically balanced so that it is not injurious to any part of the brake system. It maintains its chemical stability even under long, severe service. It surpasses S.A.E. specifications.

2 REPLACE with Wagner Lockheed Hydraulic Brake Parts

There is nothing finer. Genuine Hydraulic Brake Parts by Wagner—pioneer manufacturer of hydraulic brakes—assure perfect fit and safe, dependable performance. The line is the most complete on the market and provides hydraulic brake repair and replacement parts for all types of trucks, trailers, buses and passenger cars.

3 RELINE with Wagner Brake Lining

Unsurpassed for safe, quick, smooth stops, Wagner Brake Lining is the first choice of fleet operators everywhere. This long-lived lining of uniform, non-abrasive texture, grips silently. It does not swell or compress. Ideal for heavy-duty service under severest driving conditions. Available in sets, blocks, rolls, slabs, cut segments, and on shoes, either bonded or riveted.

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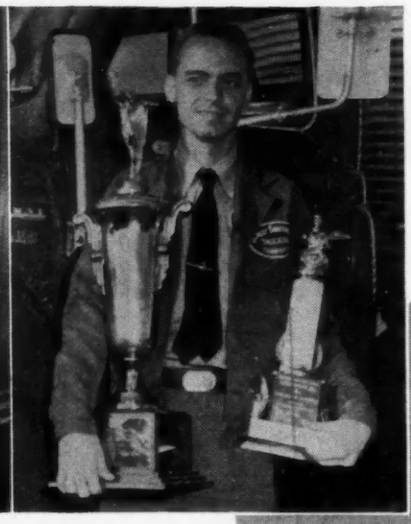
TACHOGRAPHS • ELECTRIC MOTORS • TRANSFORMERS • INDUSTRIAL CRANE BRIDGE BRAKES



Far left. Perry H. Reid, Pilot Freight Carriers, Inc., straight truck winner. At left. Morgan N. Strickland, Great Southern Trucking Co., single-axle trailer winner. Below. Alex Adamski, Geo. F. Alger Co., tandem-axle trailer winner. Adamski, winning his class for the third consecutive year, gains permanent possession of the giant trophy

For the first time in the history of the National Truck Roadeo and in competition with 51 eligible state winners, the . . .

Defending Champs

Win Truck Roadeo

DESPITE a rule change that kept the actual layout a secret until the participant started the course, all three of last year's winners triumphed again in this year's National Truck Roadeo sponsored by American Trucking Assn. and held at St. Paul-Minneapolis, Minn.

Alex Adamski, Geo. F. Alger Co., won the tandem-axle trailer class for the third straight year and gained permanent possession of the trophy.

Morgan N. Strickland, Great Southern Trucking Co., was, for the second time, first in the single-axle trailer class, and Perry H. Reid, Pilot Freight Carriers, Inc., was tops in the straight truck class for his second year in a row.

Fifty-one state champions and last year's three national winners were eligible to compete for the trophies, making a total of 18 in the straight truck class, 19 in the single-axle trailer class and 17 in the tandem-axle trailer class. (For a complete list of state roadeo winners, see CCJ, Oct., page 230.)

Winners

SECOND place winner in the tandem-axle trailer class was Arthur L. Jackson, Denver-Chicago Trucking Co. Third place was won by Everal E. Kirby, Motor Cargo, Inc., while Malvern H. Morgan, Jr., Youngblood Truck Lines, placed fourth.

Kelly Harris, Standard Oil Co., placed second in the single-axle trailer event. Third place in this class was won by William K. Heiser, Davidson Transfer Co., with Raymond C. Polis, East Coast Freight Lines, coming in fourth.

In the straight truck class, Aubrey Harper, Super Service Motor Freight, placed second. Third positon went to Carl A. Moyer, Glendenning Motorways, Inc., and fourth place to Charles M. Collins, Johnson Motor Lines, Inc.

Air Force Roadeo

AN ADDED feature of this year's roadeo was the United States Air Force roadeo in which 40 men from bases throughout the country competed.

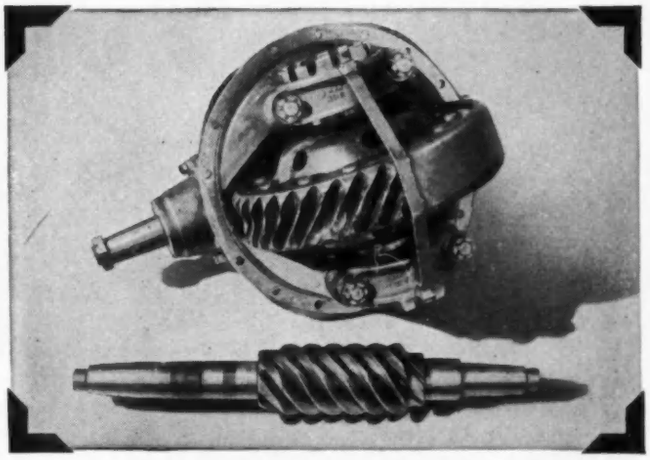
Air Force champs include: Airman 2/c Leonard D. Larson, Turner Air Force Base, who won the Air Force bus class; Airman 1/c James J. Hooe, Bolling Air Force Base, who won the staff car class; Airman 1/c Roy F. McMillan, Turner Air Force Base, who placed first in the straight truck class; Gabriel M. Sanches, a civilian driver, Holloman Air Force Base, who won in the single-axle trailer event, and Cpl. Curtis E. Ireland, Beale Air Force Base, winner of the tandem-axle trailer class.

THE ENGINEER'S REPORT

DATA

LUBRICANT	RPM Gear Lubricant
UNITS	Tankers, flatbeds, cranes
PART	Timken worm drives
CONDITIONS	Long-distance hauling
LOCATION	11 Western states
FIRM	Oilfields Trucking Co., Bakersfield, Calif.

Worm drives still in service after 750,000 miles!



LUBRICATED WITH RPM GEAR LUBRICANT, the worm "rear-end" (right), operated in an Oilfields Trucking Co. fleet unit for 340,256 miles—will be good for at least 400,000 miles more, according to Don Briscoe, Shop Superintendent. It was removed only because of loose rivets. The worm gear shown has gone over 200,000 miles. "We have worm drives still going after 750,000 miles of tough service, thanks to RPM Gear Lubricant," says Mr. Briscoe.

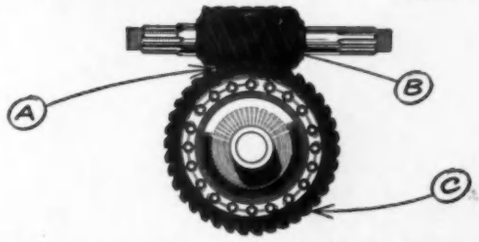
MORE THAN 60 WORM DRIVES are in the 77 units in the fleet. They are kept in condition by Bernie Thurman (left), Shop Foreman. He says "RPM Gear Lubricant eliminates wear problems so we would have little gear repair work if it wasn't for damage caused by running on flat or mismatched tires, shifting of loads and tough pulls."

REMARKS: Because RPM Gear Lubricant has very high oiliness qualities and stability, it is especially valuable for the lubrication of bronze worm gears. It also meets the severe service conditions in transmission gear sets and conventional differentials in all equipment. (For hypoids of all kinds, RPM Multi-Service Gear Lubricant is recommended.)

RPM

TRADEMARK "RPM" REG. U.S. PAT. OFF.

How RPM Gear Lubricant prevents wear in worm and conventional gears



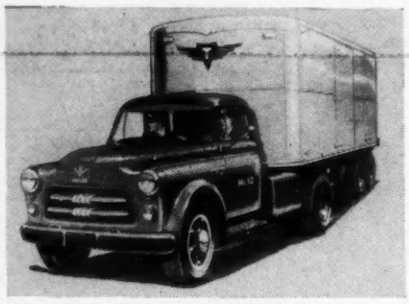
A. Made from paraffine stocks with special compounds that help provide a tough film—gives extra tooth protection, withstands shock and overloads.

B. Has high resistance to oxidation—resists deposit formation, assures lubrication in high temperatures.

C. Contains foam inhibitor—prevents high gear-case pressures.

FOR MORE INFORMATION about this or other petroleum products of any kind, or the name of your nearest distributor handling them, write or call any of the companies listed below.

STANDARD OIL COMPANY OF CALIFORNIA, San Francisco 20 • STANDARD OIL COMPANY OF TEXAS, El Paso
THE CALIFORNIA OIL COMPANY, Barber, New Jersey • THE CALIFORNIA COMPANY, Denver 1, Colorado



With straight truck GVW ratings from 4250 to 40,000 lb and up to 60,000 lb GVW for combinations and 12 power ranges in 7 engines . . .

Dodge Offers V-8 in 1954

At top. New line includes tractor models for up to 60,000 lb GVW. Above. Redesigned cab features about 62 in. of shoulder room, 951 sq. in. windshield

TWO basic V-8 engines, of overhead valve type with hemispherical combustion chambers, available in three power ranges will be used in the 1954 line of Dodge trucks. Altogether Dodge offers seven basic power plants —the two V-8's, and five L-head sixes, the latter being available in a range of nine different power ratings. The spread of horsepower ratings in the 1954 line runs from 100 to 172 bhp.

The 1954 C-1 line of trucks cuts across a major portion of over-the-road hauling requirements with a variety of vehicles ranging in GVW from 4250 to 40,000 lb; and GCW ratings up to 60,000 lb. In addition, Dodge offers four school bus chassis rated—1½, 2½, and 2¾ tons, the largest model—RS8—being fitted with a 153-hp V-8 as standard equipment.

Among new features of the line are: more compact tractor models which permit larger payloads, an improved steering linkage, availability of power steering on 4-ton models, wider front tread to increase maneuverability, new frames, increased driver comfort and visibility, lower loading height, better road stability, and new styling for heavy duty vehicles.

Tractor-trailer operators will benefit from the more compact tractors which permit the use of longer trailers within the limitations of overall length. Conventional tractors, except 4-ton, are only 102 in. from front bumper to back of cab, permitting use of 35-ft. trailers within the 45-ft legal overall length limit. COE's, on the other hand, have been further compacted to a length of but 81 in.

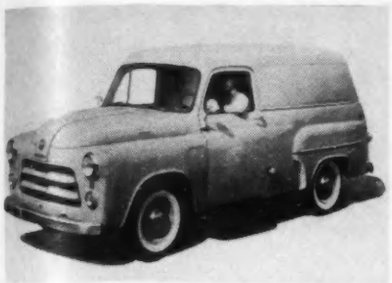
Frames are wider and curve in at the front to create a recess for the steering gear, thus increasing clear-

6-Cyl. L-Head Engines

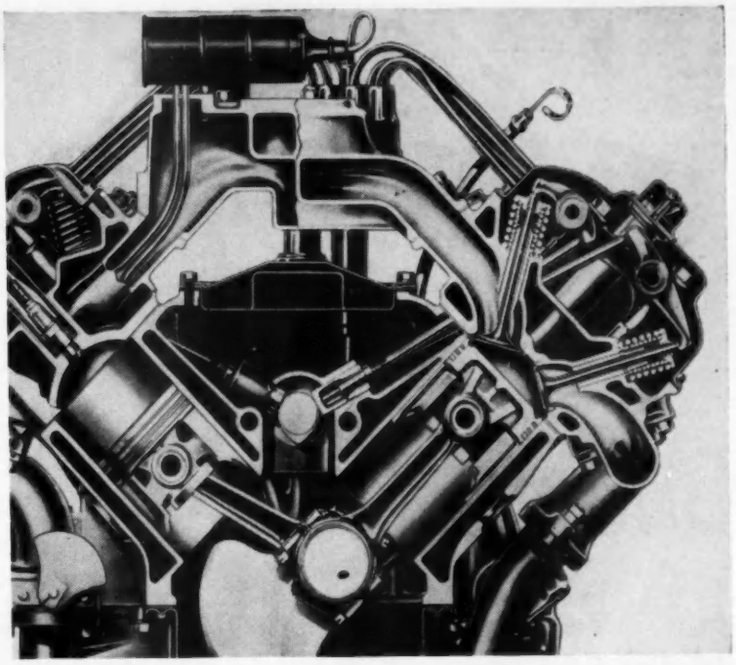
Bore (in.)	3¼	3¼	3¼	3 7/16	3 7/16	3 7/16	3 7/16	3 7/16	4 1/16
Stroke (in.)	4⅝	4⅝	4⅝	4½	4½	4 49/64	4 49/64	4 49/64	5 5/16
Displacement (cu in.)	217.8	230	230	250.6	250.6	265.4	265.4	265.4	343
Compression Ratio	7.1 to 1	7.25 to 1	7.25 to 1	7 to 1	7 to 1	7 to 1	7 to 1	7 to 1	6.5 to 1
Bhp (gross)	100@3600	103@3600	110@3600	112@3600	120@3600	114@3600	123@3600	136@3600	171@3200
Torque (gross) (lb ft)	177@1600	191@1200	194@1600	205@1600	210@1200	216@1200	225@1200	229@1600	343@1500

V-8 Engines

Bore (in.)	3 7/16	3 13/16	3 13/16
Stroke (in.)	3¼	3⅝	3⅝
Displacement (cu in.)	241.4	331	331
Compression ratio	7.5 to 1	7.0 to 1	7.0 to 1
Bhp (gross)	133 @ 3800	153 @ 3600	172 @ 4000
Torque (lb ft) gross	220 @ 2000	268 @ 1600	294 @ 1800



Truck Line



Above, left. Dodge's new Town Panel has 100 hp engine, 1475 lb payload capacity and 1155 cu ft of cargo space. Above. Cross-section view of V-8 engine shows detail of short stroke and large bore, lateral high-lift overhead valves, and hemispherical combination chamber

ance between front wheels and the frame, thereby providing more stability and greater maneuverability. Dodge offers a 39-deg turning angle right or left on most models.

All models, except PW, now have the steering linkage ahead of the axle, designed to insulate the steering column and wheel from road shocks with the aid of rear shackling of front springs.

The new half-ton Town Panel has a 100-hp engine, 1475-lb payload capacity, cargo space of 155 cu ft behind the driver, and is sealed against moisture and dust.

Pick-up and express models are offered in ½, ¾, and 1-ton models on wheelbases ranging 108, 116, and 126 in. Some of the models have rear loading height of less than 24 in., all include numerous improvements. One-ton express models are available with dual rear wheels.

Lower loading heights make stake trucks easier to load and unload, stake and platform bodies being offered in 7½, 9, 12, and 14-ft lengths.

COE models now are provided with a hood divided into two halves with a fixed center panel to permit easy access for servicing.

V-8 Engines

THE NEW V-8 engines, as given in the tabulation, are similar in design to the now familiar OHV Chrysler Corp. engines. They feature hemispherical combustion chamber design, widespread lateral spacing of valves, and operate satisfactorily on regular service station fuels, despite high compression ratio.

Although the V-8's are similar to the family of Chrysler Corp. engines in basic principle, they have been treated to special features so essential to trouble-free heavy duty service at sustained high speeds. Intake and exhaust valves are of silicon-chromium steel, with valve seat inserts for exhaust valves. Exhaust valves all are sodium-filled with Stellite-facing on exhaust valves and seats as well.

In addition, engines for models J, K, R, T, and V, have the following special features: valve seat inserts for intake as well as exhaust valves; bronze valve guides for exhaust valves to provide better heat transfer and longer life; positive valve rotators; tri-metal main and con rod bearings.

Pistons are of aluminum alloy, of steel-strut construction, and tin-plated. The top piston ring is chromium-plated.

A dual-throat downdraft carburetor is used on the 133- and 172-hp V-8's; while the 153-hp V-8 is fitted with a single-throat carburetor.

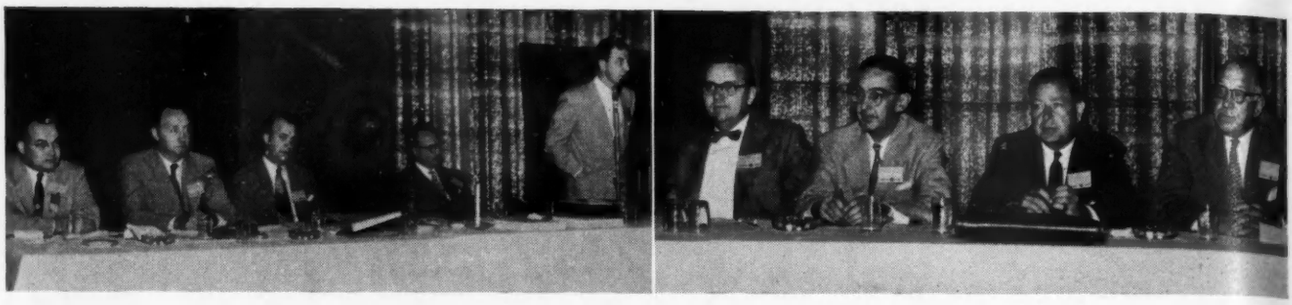
Ignition key starting is a feature on all models using the V-8 engines. A double-breaker type distributor is standard on V-8's to assure high voltage ignition for better combustion.

Six-cylinder engines continue the familiar features of Dodge truck design. Scanning the tabular data on mechanical specifications will show an increase in the rating of some models—increases in bhp or torque or both as the case may be. It will be noted that both the 136-hp and 171-hp engines are fitted with twin carburetion to account for increased ratings.

It may be noted that the 171-hp engine used in Y-models is essentially a rugged, heavy duty job, featuring high torque ability. In this respect, its torque rating is higher than that of the larger V-8.

Hydraulic brakes are offered as standard equipment on most Dodge models, except as noted, all high-tonnage models being equipped with vacuum brake booster as well. Full air brake systems are installed on 2¾, 3, and 4-ton models.

The Truck-O-Matic transmission, combining gyrol fluid drive, is offered on all ½- and ¾-ton models. It is an hydraulically-operated transmission with two forward speed ranges, providing four forward speeds plus reverse. In addition, gyrol fluid drive, consisting of a fluid coupling inserted in the drive line, is available in all low-tonnage models.



"Insulated, Refrigerated and Low Temperature Truck Body" panel discussion members included, from left to right: (picture at left) D. N. Rupert, The Schnable Co., Moderator; Paul R. Achenbach, U. S. Bureau of Standards; E. M. Myers, Gustin-Bacon Mfg. Co.; F. W. Segerstrom, Fiber Glass Division, Libbey-Owens-Ford Glass Co.; Harry E. Lewis, Industrial Mineral Fiber Institute; (picture above) H. P. Hansen, Dole Refrigerating Co.; Rollin P. Allyne, Hunter Mfg. Co.; M. B. Green, U. S. Thermo Control Co.; and Harold D. Johnson, Marketing and Facilities Research Branch, U. S. Department of Agriculture

Body Builders Review Industry Problems

Low temperature operation was big topic at recent Truck Body and Equipment Assn. convention

THE sixth Annual Convention of the Truck Body and Equipment Association made history last month in Cincinnati, when over 500 members and guests assembled at the Sheraton-Gibson Hotel for a three-day session. Thirty-six manufacturers showed their newest in supplies and materials for truck bodies, and a battery of panels provided some interesting data on such subjects as insulation for refrigerated bodies, the use of fasteners in body construction, advantages of aluminum, magnesium or low-alloy steel.

The subject of low temperature bodies and temperature control monopolized the floor on several occasions in one way or another. The problems of selecting insulation, choosing refrigeration equipment and controlling corrosion were covered by experts from various fields.

E. M. Meyers, of the testing laboratories of Gustin-Bacon Mfg. Co., discussed weathering tests set up in Kansas City for determining the effects of thermal shock and vibration, moisture and other factors encountered in the transportation field.

On the subject of selecting insulation, Harry E. Lewis, of Industrial Mineral Fiber Institute, outlined the following requisites:

1. Low in cost
2. Moisture resistant
3. Provides for low heat transfer
4. Good forming ability
5. Resistant to impact
6. Fireproof
7. Resistant to mildew and rot
8. Resistant to holding or absorbing odor
9. Light weight
10. Acid resistant
11. Resilient and easy forming
12. Impact resistant
13. Cheaply installed

F. W. Segerstrom, of Super Fine Sales, Libbey-Owens-Ford Co., showed how Fiber-Glass met these requirements, how it provided excellent insulation from the standpoint of reducing the transfer of heat through radiation, convection, conduction.

Moisture Problems

OF PARTICULAR interest to fleetmen was the discussion concerning moisture problems in low temperature bodies. Tests on transfer of moisture conducted by the National Bureau of Standards show that much of the moisture problems are due to the "breathing" of the body in transit. Leakage is accelerated, it was said, by wind currents encountered under high speeds and even in the sway of the load on the road. The weight gain is considerable. In some cases moisture picked up under transit is sufficient to actually overload the vehicle.

Remedies for leakage in the body were suggested. A plastic spray applied to the outside of the body has been experimented with. Venting of the cold side to expedite the moisture transfer out of the insulation has been used. Provision for adequate air space on the cold side and drainage holes will do much toward correcting this type of trouble. Some fleets resort to use of de-humidifiers or heating rooms where the moisture is actually baked out of the body periodically, but of course this ties up equipment.

(TURN TO PAGE 354, PLEASE)

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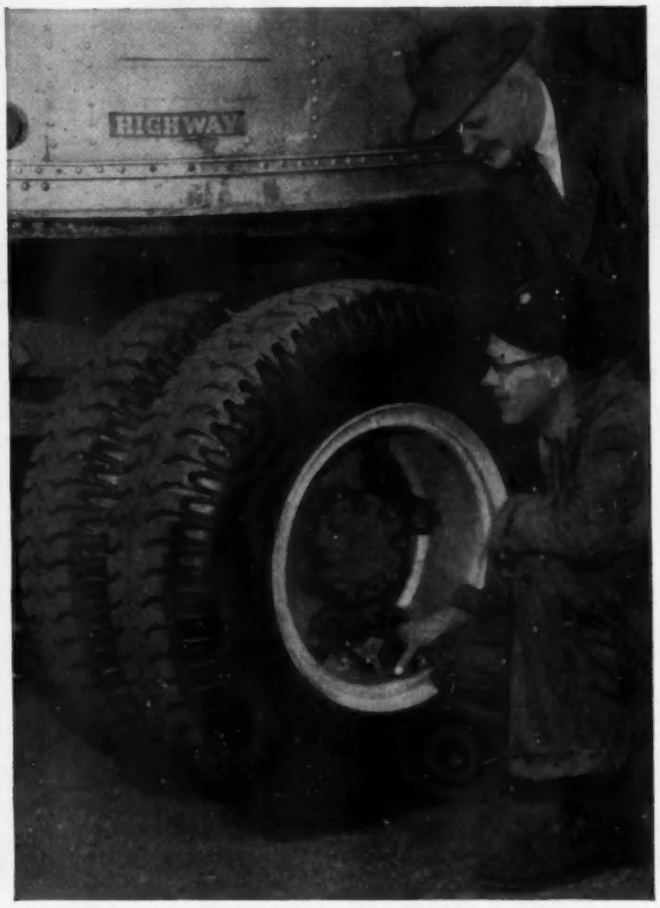
ember, 1953

B.F.Goodrich

OVER 40% MORE MILEAGE than other makes and these Traction Express tires are still going strong, reports Moran Trucking Co., Knoxville, Tenn. Driver R. L. Talley (above) says, "My truck stays on the road better".



107,000 MILES BEFORE RECAPPING is the record of BFG Traction Express tires used by Hart Motor Express, Inc., Minneapolis, Minn. After 3 recaps, these tires are still in service.

Why truckers call the all-nylon Traction Express the 100,000-mile tire

TRACTION EXPRESS TREAD is up to 46% thicker than that of regular tires. Open spaces in the shoulders and tread prevent dangerous heat build-up. Square-cut shoulders and angled grooves defy slippage.

Now you can get a tire that users report gives more original mileage than a regular tire plus a recap! It's the B. F. Goodrich Traction Express, with an all-nylon cord body.

Nylon withstands double the impact of ordinary cord materials, resists heat blowouts and flex breaks. That's why the all-nylon Traction Express outlasts even its extra-thick tread, can still be recapped over and over!

The Traction Express is molded with the beads close together. When mounted, air pressure spreads the beads to full rim width. The sidewalls act as levers, compressing the tread. A compressed tread resists abrasion, adds mileage.

No wonder truckers call the all-nylon Traction Express the 100,000-mile tire! You pay a little more (rayon construction at lower prices), get so much more service. See your B. F. Goodrich retailer. His address is listed under Tires in the Yellow Pages of your phone book. Or mail the coupon below.

Specify B. F. Goodrich tires when ordering new trucks

RESEARCH KEEPS B.F.Goodrich FIRST IN RUBBER

The B. F. Goodrich Company
Tire and Equipment Division
Dept. TF-301, Akron 18, Ohio

Please send me:
- ☐ More information on the new Traction Express tire
- ☐ Name of my nearest retailer
- ☐ Free book, "How to get more recaps out of truck tires"

Name_____

Company_____

Street_____

City_____ Zone____ State____

CC BULLETIN BOARD

DRIVERS • MECHANICS • SAFETY MEN *Please Note!*

APPEARANCE MAINTENANCE

Uncle Mose says there are two kinds of dirt found in the average shop—on the average mechanic. The clean dirt, he says, is a normal accumulation over the working period; but the dirty dirt is that acquired through just plain carelessness.

We hear a lot about appearance maintenance of shops and equipment and all that, but in cleaning up the stuff we sometimes forget about the cleaner-uppers themselves.

Now you can't overhaul a transmission without displacing some of the insides onto your person. But it does seem that some guys enjoy lolling in it.

Look around. Sloppy Cy lets the crankcase drain up his sleeve. He spills solvent all over his pants and comes out of a job like a leaking radiator. He packs more grease between his fingers than in the bearing. And like a duck in a puddle, he enjoys it.

If this doesn't show up in his final job, it's because you can't find his final job under a layer of well-applied grease. His adjustments, b'gosh, must be b'guess, b'cause he has never seen either the part or his hands.

Now nobody wants you to look like an unemployed dentist. But it does seem that tidiness in person sometimes reflects in the type of work done by that person.

Uncle Mose wasn't thinking of neckties and kid gloves and ice cream pants. He just thinks some guys are too damned sloppy. And when a messed up mechanic tackles a job demanding precision work, the result is a gosh-awful mess, too. At least that's what Uncle Mose says.

You're sitting on top of the world in the AUTOCAR V/8

The new Autocar V/8 is giving truckers a new outlook on profitable transportation. The smooth performance of its great 200 horsepower engine steps up hauling schedules as much as 25 percent. There's nothing to touch it for making light of heavy loads. You should read the booklet on why the V/8 idea has every trucker talking. Send in the coupon for your copy.

AUTOCAR TRUCKS

THE WHITE MOTOR COMPANY
AUTOCAR DIVISION, ARDMORE, PA.

Factory Branches and Distributors from Coast to Coast in the U.S. and Canada

Export: Drexel Building, Philadelphia 6, Pa., U.S.A.

The White Motor Company
Autocar Division, Ardmore, Pa.
Please send me the Autocar V/8 Booklet.

Name_____

Company name_____

Address_____

Number of trucks in fleet_____

Type of operation_____

3L

1953 New Truck Registrations by Makes by States*

STATE AND MONTH		Autocar	Brockway	Chevrolet	Diamond T	Divco	Dodge	Federal	Ford	FWD	GMC	International	Kenworth	Mack	Peterbilt	Pontiac	Reo	Studebaker	White	Willys	All Others	Total
Alabama	August			601	8		132		478		146	112		4				27	9	9		1,526
	8 Mos.	12	1	5363	20	12	1177	7	3342		1375	858	1	86			22	294	163	105		12,938
Arizona	August			208			33		170	1	60	44	4	3			2	10	4	19	2	560
	8 Mos.	2		1724	9	5	423		1194	1	584	481	22	35		2	36	167	45	129	2	4,861
Arkansas	August			454	5		85		479		128	109		2			2	35	6	7		1,312
	8 Mos.	3		4965	11		876	4	3584	1	1573	1018		12		2	15	384	84	115		12,647
California	August	15	1	1894	25	9	645	1	1810	17	646	364	27	38	16	7	15	153	31	152	10	5,670
	8 Mos.	101	4	17142	203	108	5533	9	10711	46	5371	4093	167	191	36	45	175	1402	403	1348	103	47,191
Colorado	August			259	1	4	73	2	245		81	76		4			2	15		54		816
	8 Mos.	24		2696	62	16	607	8	1910	11	804	939	9	46	7	2	21	204	41	327	1	7,735
Connecticut	August	1	4	208	13	1	61	10	175		51	71		26			5	20	33	13		692
	8 Mos.	18	30	1717	56	50	600	36	1213		449	581	1	107		4	48	182	215	139	5	5,451
Delaware	August	1	2	88	1		24		84		18	27		4				9	2	1		261
	8 Mos.	5	8	785	5	2	197	5	462		128	222		13			9	68	11	14		1,934
Dist. of Columbia	August			86		3	11		43		19	12					1	1		4		180
	8 Mos.	6	1	665	13	27	368	1	316		238	162		13		2	18	9	9	25	1	1,674
Florida	August			525	4	2	136		517		156	121		14			6	58	32	46	2	1,619
	8 Mos.	15		5662	40	34	1585	11	3829		1469	1261	1	263		3	87	647	255	558	14	15,734
Georgia	August	2	1	927	16		200		749		238	178		9		1	6	59	17	10		2,413
	8 Mos.	9	6	6509	33	11	1505		4248		1691	1348		74		7	30	577	144	110	2	16,304
Idaho	August			140	3		48		132		83	65	1	5			3	14	1	15		510
	8 Mos.			1619	17	2	490	2	1162	2	694	737	41	45	9	2	12	185	21	315	6	5,361
Illinois	August	2		1045	34	8	270		951	1	208	392		11		1	13	77	56	24	4	3,097
	8 Mos.	24		10738	285	64	3076	6	7431	7	2332	4328	3	130		14	96	815	472	392	71	30,264
Indiana	August	3		598	7	4	125		460	1	113	198		5		1	4	53	41	21	2	1,638
	8 Mos.	18		6224	69	49	1707	18	4078	3	1428	2539	1	89		4	68	757	402	252	20	17,728
Iowa	August			527	7	1	111		564		106	244	1	8		3	4	33	11	12		1,632
	8 Mos.	3		4759	53	25	956	1	3896	6	834	2272	5	37		9	33	329	123	157	17	13,515
Kansas	August			463	3	1	72		381		108	124					1	21	5	13		1,192
	8 Mos.	1		5023	30	12	845		3188		1304	1714		9		6	13	328	95	194	2	12,784
Kentucky	August			479	3	1	80	3	460		116	112					2	37	16	9		1,318
	8 Mos.	1		4888	24	18	920	17	3334	2	1217	1194		26		9	67	358	86	280		12,441
Louisiana	August	1		574	6	2	108		620		159	131		5			2	33	10	26		1,677
	8 Mos.	9		5204	24	14	1028	1	3716		1334	1253		36		4	9	447	65	161	1	13,308
Maine	August			96	3		32		91		33	30		6		2		11	3	15		322
	8 Mos.	9	7	1239	25	7	368	2	900	1	414	402		67		6	13	158	28	165	6	3,817
Maryland	August	1	12	240	1	4	90	2	251	1	57	82		7			2	18	10	7		785
	8 Mos.	12	52	2549	9	22	1013	16	1881	3	589	799		121		3	31	170	148	91	2	7,511
Massachusetts	August	4	6	300	16	9	106		318		75	93		23		1	22	29	23	17	1	1,043
	8 Mos.	63	63	2588	63	85	909	12	1918	3	654	861		203		14	103	310	198	209	12	6,298
Michigan	August	1		1177	11	19	347	2	1403		246	163		9		2	25	55	25	59		3,544
	8 Mos.	47	2	10070	113	199	3031	115	8000	1	2355	1670		81		14	190	416	196	291	8	26,799
Minnesota	August			736	20	5	83	1	603		146	206	2	9		4	5	39	24	43	2	1,929
	8 Mos.	1		4572	68	41	1123	14	3734	17	1030	1928	5	46		12	44	374	103	198	10	13,329
Mississippi	August			626	1		102		461	1	181	107		2				35	7	5		1,529
	8 Mos.	2		4548	2		782		2855	1	1448	1016		20		1	1	314	38	103		11,131
Missouri	August	2		1149	5	3	179		919		329	232		7			2	50	44	24	1	2,946
	8 Mos.	12		8284	39	110	1559		5265	1	2270	1924		52		1	37	513	302	201	2	26,572
Montana	August	1		227			55		228		98	118	10	3	1			27	3	32		803
	8 Mos.	2		1760	5	4	325	2	1306	2	489	774	28	22	1	1	11	177	31	323	7	5,270
Nebraska	August			305	6		44		351	1	79	136	1	2			2	25	10	18	5	985
	8 Mos.	11		3219	80	10	482		2533	7	839	1499	17	31		3	13	227	73	252	29	9,325
Nevada	August			46			11		42		10	8					1	9		15		142
	8 Mos.			448	1		180		303		205	110	1	5			2	86	2	89		1,434
New Hampshire	August	1		67		1	18		72		22	25		5				10	2	8		231
	8 Mos.	2	8	679	3	6	179		458		188	197		35		2	19	71	9	118	6	1,980
New Jersey	August	10	21	610	11	10	141	6	687	1	176	181		41		3	4	41	39	20	1	2,003
	8 Mos.	67	206	5325	68	101	1410	56	4315	7	1411	1515		260		12	51	352	452	231	7	15,846
New Mexico	August			235	2	1	43		129	1	73	40	1	12				18	2	16		573
	8 Mos.	1		1716	14	1	254	4	988	5	515	356	12	63		3	14	146	39	110	1	4,242
New York	August	51	52	1218	25	8	434	14	1087		333	440		125		1	34	96	79	91	9	4,097
	8 Mos.	291	534	9956	215	78	4140	71	7390	14	2653	3793		692		18	324	703	632	734	86	32,324
North Carolina	August	1		760	4	1	163		733		206	190		14			1	59	30	33	6	2,291
	8 Mos.	13		6513	15	32	1414	3	4461	1	1724	1558		206		5	23	537	318	270	12	17,105
North Dakota	August	1		214			39		240		71	172						13		7		757
	8 Mos.	2		1204	4		289		1331		330	897		5			3	101	6	60	3	4,235
Ohio	August	9	6	1045	16	11	295	11	1285		237	378		30		5	22	65	70	56		3,541
	8 Mos.	81	14	9233	114	137	3206	68	7408	10	2019	3595		245		16	206	648	706	497	20	28,223
Oklahoma	August			681		3	81		476	2	186	163	1	5			2	24	15	9	1	1,648
	8 Mos.	6		5763	6	20	964	1	3752	19	1706	1505	4	24		2	21	372	160	128	1	14,454
Oregon	August	2		281	5	4	94		279		137	115	7	7	9	1	5	19	7	50		1,022
	8 Mos.	23		2660	68	16	923	6	2316	4	1139	1237	69	84	52	4	38	213	126	528	6	9,512
Pennsylvania	August	10	61	1287	15	11	453	19	1324	2	300	553		70		3	29	98	95	46	2	4,370
	8 Mos.	111	435	10261	143	100	3884	113	7476	3	2299	4074		423		29	213	703	657	489	24	31,437
Rhode Island	August	3		68	2		14		78		11	16		5		2	2	11	3	5	1	221
	8 Mos.	27	2	542	13	14	217		436	4	108	222		27		2	13	78	32	21	1	1,739
South Carolina	August			531			85		291		110	52		6		1		28	11	3		1,119
	8 Mos.	2		3593	2	3	679		2117		818	558		36		3		251	71	52	5	8,199
South Dakota	August			106	1		35		124		39	77						10	1	9		402
	8 Mos.			1125	27	1	316	1	914		357	790	1	1		4	4	108	12	151	1	3,813
Tennessee	August			592	5	1	130		624		163	178		9			1	31	9	19		1,762
	8 Mos.	3	6	5721	24	11	1371	19	3821		1509	1392		89		2	23	351	197	154		14,693
Texas	August	12		2592	10	3	382	5	2113		421	380	8	22		5	9	110	86	56		6,214
	8 Mos.	101		21901	105	29	3618	20	14688	5	4339	4529	28	198		25	89	1379	796	600	10	52,480
Utah	August	1		94	4		30		110		30	39	2	5			5	4	5	12		341
	8 Mos.	2		1162	27	3	256	2	879	3	323	398	11	28	5	1	19	66	28	129	3	3,343
Vermont	August			76	2		38	1	77		40	36		2			2	6	1	37		319
	8 Mos.		9	551	8	2	220	3	336	3	233	271		23		2	10	46	10	167	5	1,899
Virginia	August		1	467	2	6	116		496		68	96		20			4	39	19	25	1	1,380
	8 Mos.	22	9	4225	11	29	1208	5	2834		1082	1018		113		5	60	377	200	210	4	11,412
Washington	August			240	6		155		295		115	128	10	5	1	1	2	23	2	44		1,027
	8 Mos.	3		2867	44	17	1073		2261	2	1229	1323	128	112	11	6	36	206	142	339	11	9,810
West Virginia	August	1		219	1	1	98		272		76	78		12		3	1	10	5	43	2	822
	8 Mos.	5		2213	6	18	752	5	1687		613	568		85		12	8	139	63	305	2	6,461
Wisconsin	August	2		671	5	10	157	4	507	5	167	242		12		2	8	30	14	21		1,857
	8 Mos.	10		4343	41	43	1193	12	3113	49	1054	1854	1	53		7	90	324	147	277	22	12,633
Wyoming	August			122	1		24		127		57	54	1					9		21		416
	8 Mos.			1015	3		188		712	2	354	406	3	15		3		65	13	242		3,023
Total	August, 1953	138	167	26154	316	147	6288	81	24411	34	6748	7188	76	613	27	49	258	1707	918	1301	52	76,673
Total	August, 1952	98	143	14176	271	176	10867	70	12515	38	5263	8176	81	687	24	18	320	2111	906	1629	217	57,798
Total	8 Months, 1953	1182	1397	227528	2320	1588	59419	676	160002	246	59121	68041	559	4675	121	333	2468	17136	8569	12355	551	628,287
Total	8 Months, 1952	1022	1077	171290	2341	1906	68384	570	119385	344	51455	61837	482	4919	163	343	2124	19119	7586	12719	1786	528,082

* Data from R. L. Polk & Co.
Note: Six months data for Idaho and Illinois were transposed in the September, 1953, issue.

Free PUBLICATIONS

FOR YOUR CONVENIENCE USE THE POSTCARD ON NEXT PAGE

L1. Vehicle Data

The 33rd edition of Automobile Facts and Figures published by Automobile Manufacturers Assn. is now available. The 80-page pocket-size booklet contains statistical information and charts on such items as vehicle production, registrations, age, scrappage, fuel consumption, excise taxes, highway-user levies, mileage, parts and accessories, etc.

Of special interest to truck users are data on new truck registrations by month and year from 1941 to 1952, new registrations for 1951 and 1952 by state, age of trucks in operation for 1952, total registrations by year, total 1952 registrations by state, trucks in use in foreign countries, special truck taxes paid, and federal excise tax payments.

Another 16-page section will also be of interest to fleet operators because of their concern with more adequate highways. Data in this section includes amounts of highway-user taxes diverted to other uses, highway funds classified by sources, amounts spent on highway construction and maintenancee, condition of highways, highway financing, estimated needs for more adequate highways, deficiencies in our present highway system, traffic volume on our highways, amounts that can be saved with more adequate highways, etc.

You can obtain your copy of this standard fact book for highway users by circling L1 on the postcard on the next page.

L2. Grinding Facts

This spiral-bound book gives in 17 chapters the full story on how to obtain top results when grinding pistons, crankshafts, camshafts and similar parts on machine grinders. Added feature of the book is a leatherette cover to protect it from hard usage.

Basically the publication covers (1) how to set up grinding jobs. (2) how to operate precision cylindrical grinders, (3) how to take care of cylindrical grinders, and (4) how to turn out better grinding jobs. It has been used to train machine operators.

Outstanding feature in the manual are over 90 cartoon-type instructional drawings that help to make the brief text clearly and quickly understood. Chapters are included on centering work in the grinder, adjusting drivers and driving dogs, work rests, wheel dressing, mounting and balancing the grinding wheel, grinding wheel coolant, adjusting V-belt drives, wheel spindles and bearings, grinding wheel feed, speed of work, chatter and other similar informative subjects.

Circle L2 on the postcard for your copy of this grinding manual. It will come in handy in your shop.

L3. Rubber Story

Truck users are probably very familiar with rubber tires and tubes and know also that rubber finds a great many uses inside the vehicle as well as outside. A recent issue of the magazine "Rubber Developments," published by the Natural Rubber Bureau, reviews these inside uses and will interest fleetmen.

The material is well illustrated and shows how rubber can be used to an advantage on radiator, engine body and gearbox mountings, generator drives, torsional vibration dampers, propeller shaft center bearings, shackle pins, axle bumpers, roll stabilizers and pedal pads. Various properties of rubber are described such as less creep and permanent set, flexibility, lubrication-free bearing properties, as a spring, etc.

Maintenance men might well find some new ideas in this publication. A copy is available by circling L3 on the postcard on the next page.

L4. Road Booklet

Truck users interested in attempts to "divide and conquer" the highway-user groups in order to stymie development of highway transportation will want a copy of this booklet.

In the booklet, Walter F. Carey, American Trucking Assn.'s president, charges "Railroads are out to defeat the highway improvement program. Under cover and openly, they are working to prevent the building of new major highways, the improvement of existing highways and even the building of privately financed dual roads to be paid for by those who use them."

The 20-page publication, entitled "Good Roads and Railroads," points out that railroads dislike the passenger car just as much as the truck, that they lose money yearly on passenger operations and profit from freight carrying, that the railroads are not really the "farmer's friend" when it comes to better roads.

To get your copy of this booklet, circle L4 on the postcard.

L5. Cooling System Facts

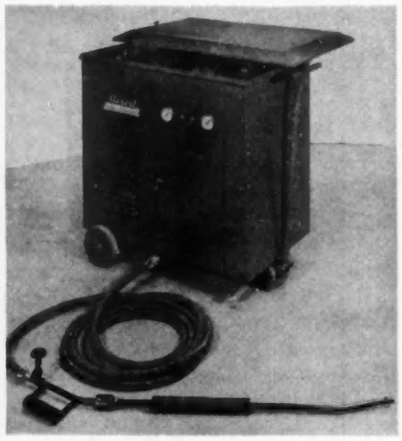
This booklet covers cooling system facts in a brief 10 pages, but many a fleetman will want it for the well-illustrated review it gives on the importance of the engine coolant system.

Some of the helpful diagrams included along with the short text are: Where combustion heat goes in an engine, how the cooling cycle works, how a radiator is constructed, the theory of heat transfer, how rust forms in the engine. These pictures expand the accompanying text that explains basic radiator troubles. Last section of the book reviews engine wear that is likely to result from a poor cooling system and engine overheating.

To obtain your copy of this pocket-size booklet, circle L5 on the postcard.

NEW Products

ADDITIONAL DETAILS AVAILABLE UPON REQUEST VIA POSTCARD

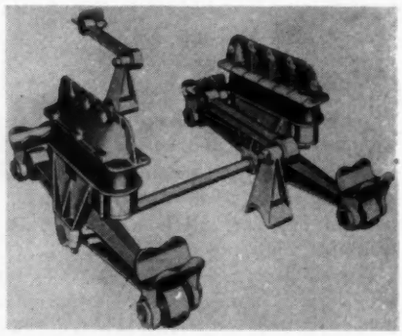


P1. Steam Cleaner

A new de luxe, Model No. 121, vapor steam cleaner is now being produced by Aeroil Products Co., Inc., South Hackensack, N. J. Containing all of the exclusive features of the standard Model No. 121 unit, the de luxe model now features a hot water rinse attachment, a low water cut-off, which automatically shuts off the machine in case of water supply restriction, and also has the "Auto-Rad" attachment for reverse flushing of automotive radiators. Generating 100 lb of steam pressure in 90 sec, the unit has a flash type boiler of continuous tubular coil. Equipped with a ½ hp motor, its capacity is 120 gal per hr at 75 to 110 lb working pressure. Gun control permits operator to shut off flow of steam by turning gate valve on gun handle without going back to machine itself.

P2. V-Bar Truck Chain

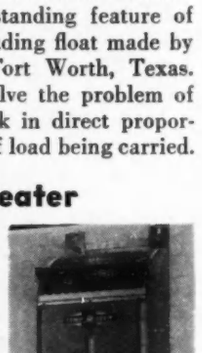
American Chain Division, American Chain and Cable ompany, Inc., Bridgeport, Conn., announces the marketing of their new Weed American Dual V-Bar Reinforced Triple Truck Chain. V-Bar reinforced, hardened steel cross chains are staggered across tires—at least six (three on each pair of wheels) contact road at all times. V-Bars slant left on one pair of chains, right on the other for lessened side skid.



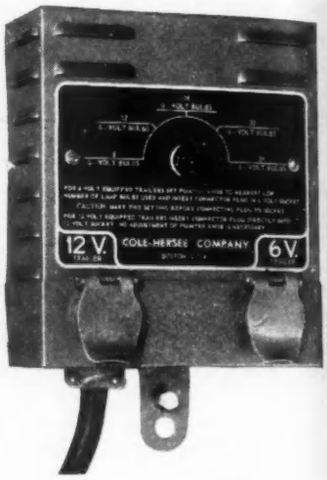
P3. Rubberized Tandem

A tandem assembly utilizing a series of high density rubber cushion fingers —designed to come into play progressively as payload is increased on float trailers—is the outstanding feature of a redesigned self-loading float made by Hobbs Mfg. Co., Fort Worth, Texas. They are said to solve the problem of absorbing road-shock in direct proportion to the amount of load being carried.

P4. Cargo Heater



A new cargo heater has been announced by Laharco Industries, Minneapolis, Minn., that complies with ICC requirements for vented cargo heating. It consists of three parts; the heater, a junction box and propane bottle carrier. The heater is propane gas fired and delivers 13,000 Btu. It is thermostatically controlled with 100 per cent shut off. Height is 4 ft 4 in., width 16 in. and depth 8 in., with weight about 70 lb. The junction box is mounted in the truck floor to provide a quick, detachable connection to the heater and fuel supply. Gas flow is automatically shut off when heater line is disconnected. Bottle carrier is designed for two 20 lb propane bottle.



P5. Connector Adapters

Cole-Hersee Co., Boston, Mass., has introduced a series of four trailer connector adapters to take care of all trucks and trailers wired to standard coding. Specially designed to save the time and trouble involved in makeshift jumpers or the tracing of electrical circuits, these four adapters make the following pole plug to pole socket conversions: 7 to 6, 6 to 7, 6 to 4, and 4 to 6, thus making trailers and tractors interchangeable on a broader scale than any yet achieved.

P6. Space Heater

Heating Department, Machinery Division, Dravo Corp., Pittsburgh, Pa., announces the addition of a new light oil fired warm-air heater. Known as the "Paraflo" space heater, this new unit is manufactured in two models; the Model No. 20 with 200,000 Btu/hr output and the Model No. 25 with 250,000 Btu/hr output. It is equipped with an Underwriters' Laboratories approved gun-type oil burner. The air circulating fan takes in air at floor level, directs it around the combustion chamber, through the economizer section and out through two 12 by 12 in. directional nozzles. The nozzles can be rotated 360 deg.

The latest developments in parts, accessories, equipment and tools for the fleet shop

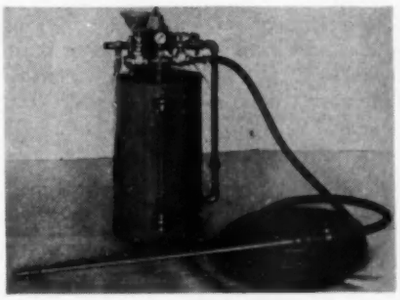
CIRCLE APPROPRIATE NUMBERS ON POSTCARD FOR MORE INFORMATION

P7. Cargo Heater

Compactness and mobility are features of a portable cargo space heater designed by Rue R. Elston Co., St. Paul, Minn. Trade-named "Elston Roll-A-Way," the Model No. X-700 incorporates burner assembly, bottle carrier, regulator and thermostatic controls in one compact, all-steel unit. It is mounted entirely inside the truck body. When heater is in use, gas chamber is completely sealed from the cargo area. Propane bottles may be removed and inserted from the exterior of the truck through an access filler door. One 20 lb propane bottle contains sufficient fuel for 31 hr of continuous operation and, with thermostatic controls, will heat an average van 58 hr. The unit has an output of 16,000 BTU. Base of the unit is 16 by 16 in., and it stands 72 in. high. The Elston X-700 complies with all I.C.C. flue-vented cargo space heating requirements.

P8. Lift Gate

Master Vibrator Co., Dayton, Ohio, has announced a battery-powered-hydraulically-operated lift tail gate for ½, ¾ and 1 ton trucks. Four U-bolts hold the unit to the body and only other connection is a cable to the battery and the push button control. It is designed for loads up to 1000 lb. A positive locking device is included.



P9. Vehicle Washer

Oakite Products, Inc., New York City, are now promoting a new pressure lather vehicle washer. Called the "Oakite Foam Unit," the Model No. 511 discharges cleaning solution in the form of a heavy suds or lather. The unit is designed primarily for washing buses and trucks. The prepared solution is introduced into the unit's 14 gal pressure tank and is then converted into a lather by compressed air and discharged through a 50-ft length of ¾ in. hose and a long handled gun. Flow of air into the tank is controlled by a pressure regulating valve, and the tank is equipped with a safety valve. Solution level is easily checked by means of a gage assembly on the side of the tank. Its particular advantage is the saving in cleaning solution it makes possible. No solution is lost on the ground, as is the case when buckets and brushes are used.

P10. Transmission

H. S. Watson Co., Emeryville, Cal., has announced the addition of a new two-speed auxiliary transmission to their line. This new unit, called the "Brownie Junior," is available either as an overdrive or as an underdrive, and is especially designed for light duty and pick-up trucks. Complete installation kits with instructions are available for all popular truck makes.

P11. Drum Lathe

A new brake drum lathe, named "Safe-Turn," has been introduced by Ammco Tools, Inc., North Chicago, Ill. The new lathe features a 2⅞-in. spindle, and an exclusive feed which permits adjustment from .002 to .020 in. while cutting. Other features claimed include, self-aligning boring bar, rugged 3½-in. cross feed support, protective boots on spindle, cross slide, and lead screw, double taper steel arbors, and safety-enclosed grinding wheel.

P12. Primer-Surfacer

Acme Quality Paints, Inc., Detroit, has added to its line a new synthetic enamel primer-surfacer. Called Fleet-X 295 Light Oxide Red, this new laboratory development helps give a high gloss finish to the enamel color coats through its excellent hold-out and filling qualities.

P13. Motor Oil

A quick-starting, high viscosity index motor oil, for use in automobiles in all types of service during the cold and cool seasons, has been developed by Gulf Oil Corp., Pittsburgh, Pa. Use is recommended wherever temperatures of 10 deg F. or below may occur.

Named "Gulfpride H.D. Light," it permits fast, easy starting in tempera-

(TURN TO NEXT PAGE, PLEASE)

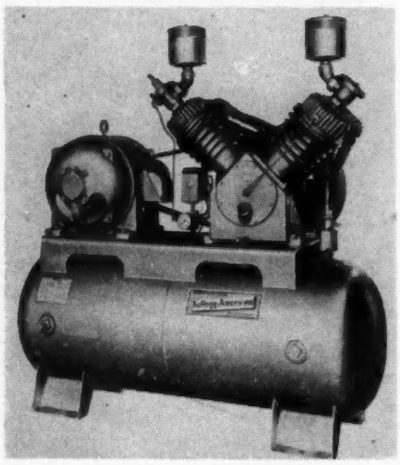
New Product Descriptions

Continued from Page 59

tures down to —30 deg F. without kerosene dilution. High cranking speeds obtained with the oil, and consequent slight drain on the battery, make this possible. It meets the classifications of the Society of Automotive Engineers for 5W, 10W, 20W and 20 motor oils.

P14. Air Compressors

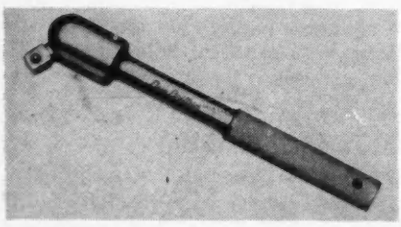
Kellogg Division, American Brake Shoe Co., Rochester, N. Y., announces the addition of 15 and 20 hp air compressors to their present line. Of "V"-type construction, these new 4-cyl 2-stage air compressors are available in



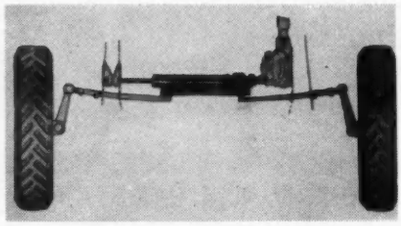
22 different models to cover a wide range of applications. Model No. BD461A, the tank mounted unit illustrated, features dual controls which permit either automatic stop-start operation for intermittent use or automatic intake unloader operation for use where air demand is constant.

P15. Reversible Ratchet

A new flex reversible ratchet, Model No. NB-50, offered by the New Britain Machine Co., New Britain, Conn., is a new idea in multi-purpose tools. It



can be operated at any angle from horizontal to vertical position, a full 90 deg. Available in ⅜-in. square drive, it provides help for hard-to-reach nuts, sturdy and compact strength, knurled grip, triple plate chrome finish, and the "keyless locking" feature.



P16. Power Steering

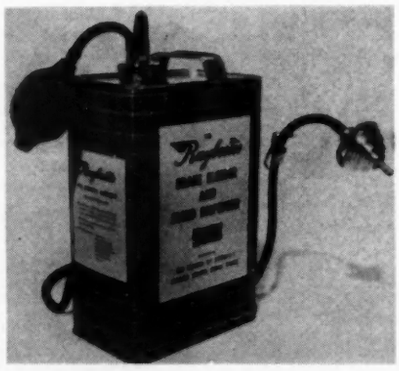
Above is a typical installation of "Ross Hydrapower," linkage type, said to be one of the simplest, surest, most economical hydraulic power steering systems yet developed. Made by Ross Gear and Tool Co., Lafayette, Ind., the unit is adapted to parallelogram type of steering linkage. It does not require field adjustments.

P17. Electric Sander

A newly designed Elston electric sander, is announced by Highway Safety Appliances, Inc., St. Paul, Minn. Grit control is assured with the new aircraft type switch. Condensation problems in the grit hopper are eliminated because all the internal surfaces are rubberized. There is no danger of running out of grit with the new grit level indicator which flashes a warning when about 2/3 of the grit supply is used. For best results, either Elston Safety Grit or a comparable grit that is non-freezing, free-flowing should be used

P18. Brake Bleeder

A new one-man brake bleeder and fluid dispenser is being offered by Raybestos Division, Raybestos-Manhattan,



Inc., Bridgeport, Conn., in connection with purchase of brake lining sets or brake shoe sets. The unit is designed to fill master cylinders and bleed brakes. It is completely portable with air pressure being built up by a hand-operated air pressure bulb and an air check valve.

P19. Thermostat

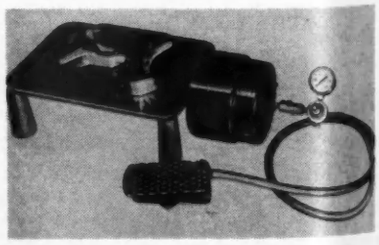
A new thermostat for pressurized cooling systems will be introduced by Standard-Thomson Corporation, Dayton, Ohio. The thermostat is the first of its kind to use the poppet valve. The valve is controlled by a thermal actuating unit containing a gelatinous mineral which expands with heat. This expansion is transferred to the valve by a plunger pin which forces the valve open against a spring. The company will manufacture models for all makes of cars and trucks using pressurized cooling systems.

P20. Spray Booth Cleaner

A product for greater efficiency and reduced costs in cleaning paint spray booths has been announced by Thompson and Co., Oakmont, Pa. "Spray Booth Shield" is of a paste-like consistency and is a milky-white in color. It can be applied to any surface by brush, trowel or knife to a thickness of about 1/16-in. Since it always retains its original consistency it may be used, after application, in either of two ways. First, it may be covered by any common type of paper. In this method, when paint overspray builds up, the paper can simply be stripped of by hand or with a scraper, and new paper added. Or, if desired, the shielding material can be used alone, so that overspray strikes it directly. Then, after paint accumulates, both paint and the shielding can be removed easily with a scraper or putty knife.

P21. Brake Bonding Aid

Westbrook Industries, Inc., Newark, N. J., has announced a brake shoe assembly air table designed to speed brake bonding operations. It is compact and sturdy, made from heavy duty castings with slotted legs for bolting to workbench. The table will accommodate all passenger car and truck shoe sizes. Three thousand lb ram pressure is developed from 100 lb line pressure. Overall measurements are 33 in. long,



15 in. wide, 7 in. high. It is sold complete, ready to use, including: air regulator, pressure gage, 6-ft air hose and 3-way foot control valve.

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One of the many leading engine manufacturers to select and distribute Perfect Circle's 2-in-1 chrome piston ring set for authorized replacement service

2-in-1 is the truly modern piston ring equipment, controls oil—seals compression for over twice as long as old style sets. Solid chrome protects both oil rails and top compression rings against wear. And only 2-in-1 offers a choice of spring pressures with each oil ring to meet any cylinder wear condition.

For sustained power and positive oil control for thousands of extra miles, always install Perfect Circle 2-in-1 piston ring sets. Perfect Circle Corporation, Hagerstown, Indiana; The Perfect Circle Co., Ltd., Toronto, Ontario.

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PISTON RINGS The Standard of Comparison

CCJ NEWS REPORTS

WASHINGTON RUNAROUND

by KARL RANNELLS Washington Correspondent

Excise Tax Savings . . . Maybe Not

While the excise tax increases imposed in Nov. 1951 are due to expire April 1 next year, motor carriers shouldn't plan too heavily on saving the $225 million a year that experts figure the increases have been costing them. The reason is that new levies may partly offset the reductions. Talk is that corporate rates will go up 2½ per cent. Also, while the White House has nipped a national sales tax in the bud, it hints it favors new levies on a broader base at factory level. Retail groups will fight such proposal because the hidden levy pyramids from factory to consumer. For example, a 10 cents tax on an item at factory level could easily become 17 cents on delivery to the fleet owner or other consumer.

Social Security . . . Probably Up

There's some talk that the White House may ask Congress to delay the increase by one-third of the social security levy, due in January. Reason is that the increase, amounting up to $17 a year, might largely wipe out the savings gained by lower salaried workers from the 10 per cent income tax reduction, also due in January. Talk may be discounted because the Treasury badly needs the $1.3 billion in additional working capital the new rate would bring.

Watch For . . . Higher Minimum Wage

A higher minimum wage law may be in the offing. Talk is that Congress will be asked to raise the present 75 cents-an-hour minimum to $1.25. Strategy is to ask for twice as much as can reasonably be expected. Several bills proposing an increase are pending. None have White House endorsement. Backers think they can push through boost of 25 cents with White House support.

Defense Freight . . . Steady

Adding up information as it comes to their bureaus, government economists now see no reason for any drop in shipping requirements for the next year or so. Cutbacks in defense contracts have been largely a matter of trimming the fat. Actually, defense officials say, defense-military spending this year will amount to a little more than $42 billion, and that next year it will be about $40 billion. This would indicate that with delivery rate of defense hard goods now at about $2½ billion a month, it will level off there for the next couple of years.

Mail Contracts . . . Long Distance

Motor carriers have cut into the short haul mail business to the extent of adding nearly $7 million to the industry's revenues—and saving the government even more, something like $8.7 million. So pleased is the Post Office Department, it is constantly adding new T-routes which, at the end of August, numbered 396. Recently, the department opened up a new route, between Fort Worth and Chicago, which, if it works out as well as the shorter runs, may herald more mail contracts for the highway carriers.

Parcel Post . . . Still a Battleground

New moves will be made when Congress convenes in January to get action on legislation which would restore previous parcel post size and weight limitations. Statutory cutback in sizes and weight, some shippers are complaining, have increased their costs by making it necessary to use other and more costly shipping mediums.

SBA . . . Stiffens Loan Policies

A fleet operator holding a contract related to defense production would have best chance of gettnig a small loan from the Small Business Administration which has taken over this function from dying RFC. But other rules have been changed, too. In no case will more than $150,000 be loaned. No loans are to be made to pay off creditors, to increase working capital, or to effect a change in ownership or pay off partners or shareholders.

Air Freighters . . . 600 More

Although mobilization officials are reviewing more than 125 expansion programs which are not yet complete, there'll be no cutback in the program for building modern transport aircraft of the kind which can be quickly converted for hauling miltary cargoes. Certificates of necessity and tax write-offs have been issued for 370 ships and will be granted for 230 more.

Air Freight . . . 18% More

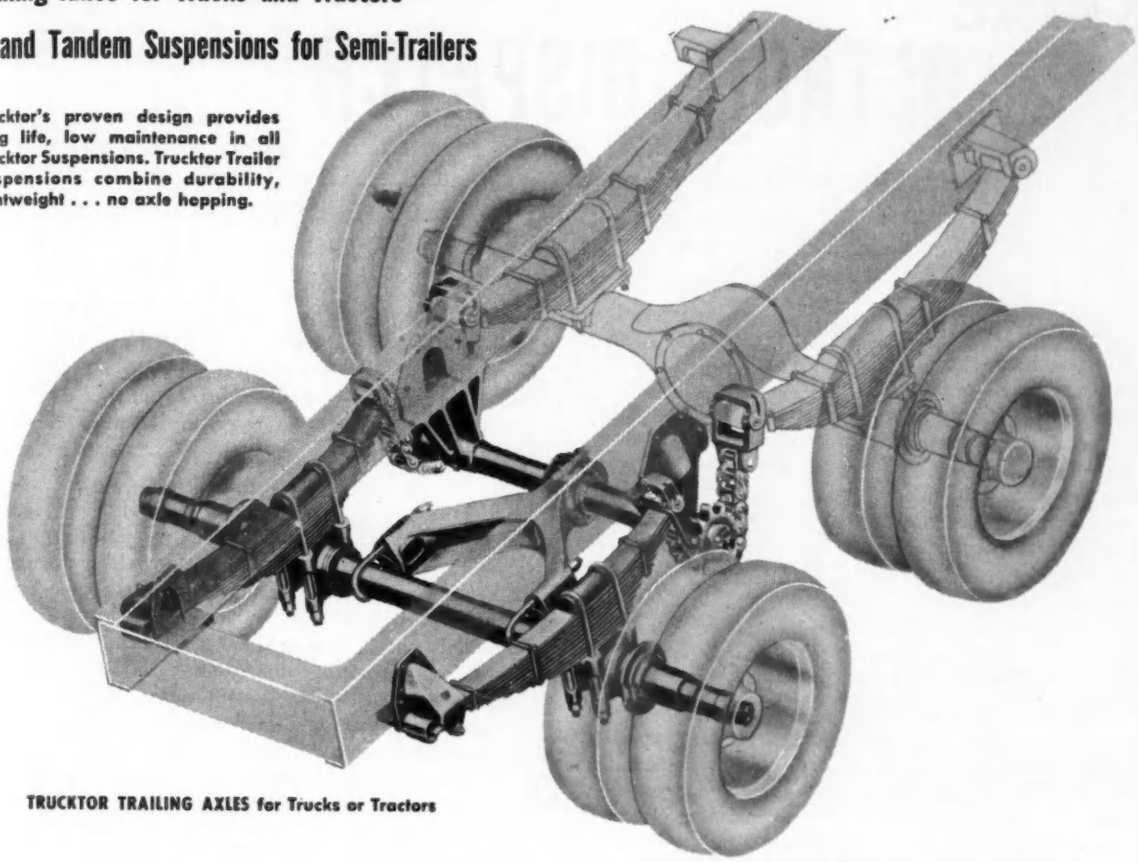
Airlines are expected to stress lower inventory and packaging costs in seeking to further boost the rising tonnage of air freight. So far this year, ton-miles of air freight is reported up 18 per cent with a record of 300 million total expected for 1953. Increasing rates for surface transport are expected to help, but air lines are playing up also speed of air delivery.

Trucktor QUALITY SUSPENSIONS

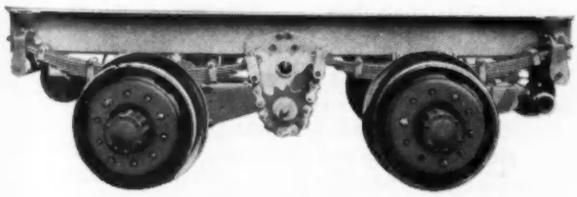
Trailing Axles for Trucks and Tractors—

Single and Tandem Suspensions for Semi-Trailers

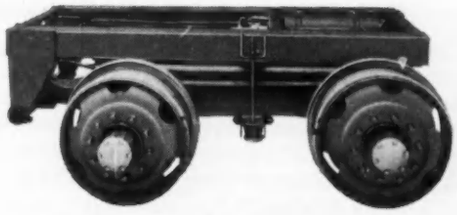
Trucktor's proven design provides long life, low maintenance in all Trucktor Suspensions. Trucktor Trailer Suspensions combine durability, lightweight . . . no axle hopping.



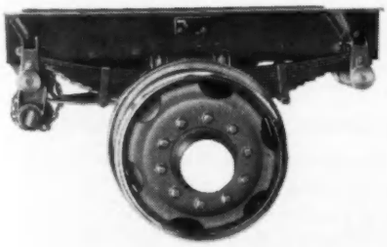
TRUCKTOR TRAILING AXLES for Trucks or Tractors



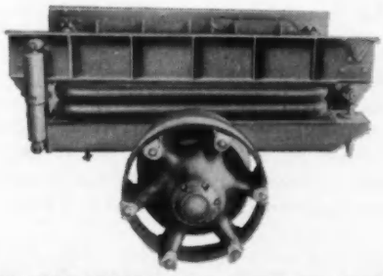
LIGHTWEIGHT TANDEM SUSPENSIONS for Semi-Trailers



NEW TRUCKTOR *Air Ride* TANDEM SUSPENSIONS for Semi-Trailers



SINGLE AXLE SUSPENSION for Semi-Trailers



NEW TRUCKTOR *Air Ride* SINGLE AXLE SUSPENSIONS for Semi-Trailers

For further information write to

THE TRUCKTOR CORPORATION

Route 22, Mountainside, N. J.

CCJ NEWS REPORTS

DETROIT DISPATCH

by LEN WESTRATE Detroit News Editor

Truck Noise . . . Factory Action

Truck manufacturers are going ahead with development of their own sound meter for testing muffler noise at the factory. A special committee is working on the problem and aims to have within six months an instrument which correlates with the human ear using presently available instrumentation if possible. Objective is to establish a reference standard for testing new equipment at the factory, leaving standards and instrumentation for enforcement in the field to other agencies.

Plastic . . . Use Expands

Plastic body construction such as that used in some new trailer bodies and the Chevrolet Corvette sports car may appear in the truck field. There is some thinking that cabs for trucks produced in low volume might be made of reinforced fiber glass at about one-tenth the tooling cost required for steel dies.

102-In. Tractor . . . Little Demand

Truck manufacturers, who have been somewhat skeptical of special designs requested by truckers, are pointing out that the latter group does not seem to be too sure of just what it wants. Truck builders say that last year there was a great deal of furore over trucks with a 102-in. dimension from front bumper to back of cab to permit hauling 35 ft trailers within 45 ft overall length. They now point out that even though some manufacturers made such units available, fewer than 150 were sold in the last 18 months.

ATA Foundation . . . $50,000 More

Following Dayton Rubber Co.'s $25,000 contribution to the ATA Foundation for promoting the trucking industry, General Tire and Rubber has donated $50,000, and one or two of the other larger rubber firms are showing some interest. No truck manufacturers have made contributions to the Foundation as yet but one large company has indicated some interest.

Trailers on Rails . . . Unions Go Along

Most recent information we can get indicates that unions in the trucking industry will go along with the proposed combination rail-truck movement of semi-trailers. However, it is indicated that the teamsters will take a "wait and see" position to test whether or not the new development, if widely adopted, would have an adverse effect on employment of union members. One contention is that crews operating the special terminals would be members of the truckers' unions and also that the system might increase the number of short haul runs by trucks.

New Muffler . . . Purifies Exhaust

A Chicago company later this year will put on the market a new muffler designed to purify exhaust gases of gasoline engines. The muffler looks like a conventional unit but is equipped with a special catalyst to convert toxic carbon monoxide into carbon dioxide gas, which is non-poisonous. Cost, however, will be a big problem, since the unit under mass production would be "something less than $50." The inventor is Eugene J. Houdry, who developed catalytic cracking for refining gasoline. A special muffler for Diesel engines is under development and expected to be ready by next spring.

Reo Leasing . . . Expands

Reo Truck Leasing, Inc., wholly-owned subsidiary of Reo Motors, Inc., has opened regional offices in eight additional cities, soon will open in four more, and another four are expected to be ready before the company ends its first year of operation. The new offices are in addition to the 11 regional branches that were established when the formation of the company was announced early in the year. Since then, leasing offices have been opened in Cleveland, Ohio; Lansing, Mich.; Milwaukee, Wis.; New York City; Pittsburgh, Pa.; St. Louis, Mo.; Albany, N. Y., and Toronto, Canada. In the near future, offices are expected to be opened in Atlanta, Ga.; Denver, Colo.; Indianapolis, Ind., and Montreal, Canada.

Loop Chains . . . Not Recognized

Interstate Commerce Commission's Bureau of Motor Carriers has indicated that loop chains will not meet requirements of Section 193.95 of the ICC Safety Regs. Opinion stems from results of last year's winter driving tests conducted by National Safety Council. Decision was based on (1) loop chains had lowest rating of those tested in both traction and braking, (2) most truck wheels would have to be modified to accommodate loop chains, and (3) such loop chains induced jack-knifing during stops.

NEW INTERNATIONAL COE
–most advanced in industry

New INTERNATIONAL R-405 SERIES COE ROADLINER® models are the modern way to make greater profits from the longest, toughest hauls. *Simplified design provides more payload space* within the overall length in any state.

Exclusive INTERNATIONAL *accessibility features* plus INTERNATIONAL "Tough-job" engineering reduce maintenance cost.

Comfort and safety features help drivers maintain schedules. Famous Comfo-Vision cab is designed by drivers for drivers. Driver's eye level is nine feet above the road. He commands a view over other traffic, hill crests.

And every INTERNATIONAL COE ROADLINER *has a record behind it unequalled by any other truck.* America's most cost-conscious truck operators have made INTERNATIONAL the heavy-duty leader for 21 straight years because of long life, lowest operating costs from all-truck power, and unequalled performance.

Ask your INTERNATIONAL Dealer or Branch how an INTERNATIONAL COE ROADLINER can make greater profits for *your* operation. Haul the modern way—with an INTERNATIONAL COE, the most advanced hauling unit in the transportation industry. Time payments arranged.

INTERNATIONAL HARVESTER COMPANY • CHICAGO

New INTERNATIONAL Model RDC-405 ROADLINER with Comfo-Vision cab, GCW rating 68,000 pounds.

More Payload Space With Lowest Maintenance Cost, Maximum Driver Efficiency

Three chassis models, GCW ratings 68,000 to 76,800 lbs. Four-wheel, or six-wheel types with proved INTERNATIONAL bogie or trailing axle.

RDFC-405 six-wheel ROADLINER permits more payload on truck (22 feet) and longer trailer (28 feet) in a 60-foot limit.

RDC-405 ROADLINER with sleeper cab permits use of a 35-foot trailer in a 45-foot limit.

RDFC-405 or RDTC-405 six-wheel ROADLINER with sleeper cab permits use of a 35-foot trailer in a 45-foot limit.

RDC-405 ROADLINER permits use of two 24-foot trailers in a 60-foot limit.

All-truck power. Choice of gasoline, LPG, or diesel fuel systems.

Maximum accessibility. Exclusive INTERNATIONAL swing-out fenders provide instant access to either side of the truck. Easily detached grille assembly quickly exposes engine for efficient service.

New driver comfort. Famous Comfo-Vision cab (regular or sleeper types) with new Sweepsight windshield, complete control of cab ventilation. New green-tinted non-glare safety glass optional. Exclusive INTERNATIONAL flat-floor floorboard keeps out heat and noise, lifts conveniently for service.

Unequalled Service Facilities. America's largest exclusive truck service organization offers immediate availability of parts and service. Dealers everywhere; company branches located in all leading cities.

International Harvester Builds **McCORMICK**® Farm Equipment and **FARMALL**® Tractors . . . Motor Trucks . . . Industrial Power . . . Refrigerators and Freezers

Better roads mean a better America

INTERNATIONAL® TRUCKS

"Standard of the Highway"

NEWS REPORTS

NOVEMBER ROUNDUP

by ERNIE FOREST Assistant Editor

Trucking's Week . . . Is Here

Big news in communities all over the nation this month is Truck Transportation Week, being celebrated Nov. 16-22. It has been planned for state and local "grass roots" participation by ACT, the Independent Advisory Committee to the Trucking Industry, Inc.

In acknowledging promotion of the week, President Eisenhower in a letter to ACT Chairman Dave Beck, said, "The thousands of men and women of the trucking industry have contributed vitally—both in peace and war—to the nation's civilian and defense transportation needs. With Americans in other transportation industries, they are performing a service of which we can all be proud."

For those who may have missed last month's announcement (Oct., page 60), this month's Overload (page 5) describes in detail what can be done.

ATA Convention . . . a Success

Over 2500 trucking industry leaders and their guests met late last month for American Trucking Assn.'s 20th annual convention in Los Angeles, Cal., overflowing both the Statler and Biltmore Hotels. First full reports coming in as this issue went to press indicate a giant first day sale for the trucking industry's special commemorative stamp and packed attendance at the meeting's industry sessions, outlined on pages 62 and 67 of the October issue. A complete roundup of the many important items under discussion is being readied for the December issue.

Highway Meeting . . . on Federal Functions

Truck, bus and other highway users will be interested in the recommendations made by the United States Chamber of Commerce's National Highway Conference schedule for early next month, Dec. 8-9.

Governors of all states, business men and other government officials are being invited to consider such questions as: (1) What should be done about the proposals for dropping the 2¢ federal gasoline tax? (2) What can be expected from toll roads? (3) Should federal highway aid funds be allocated to give more aid to construction of primary roads; and (4) Should federal aid be reduced, remain the same or be increased? Report of the meeting will be ready for Congress when it convenes in January.

Truck-Rail Case . . . Goes Ahead

Pennsylvania Motor Truck Assn.'s $250,000,000 anti-trust suit against 31 eastern railroads, picking up after a slight Summer lag, is still making headlines. Latest developments include:

1. A claim by the Eastern Railroad President's Conference that the court lacks jurisdiction over it and that the truckers have no case against them. Earlier the court threw out similar claims by the railroads themselves and Carl Byoir and Associates, the railroad's public relations counsel. (See page 62, August issue.)

2. Resumption of taking of depositions starting with that of witness Harold Cohen. Cohen, former public relations man for the Ohio State Highway Dept., described his contacts with Carl Byoir and Associates while an employee of the state of Ohio.

3. A request by PMTA to the United States District Court in Philadelphia that the case be tried by jury. Opinion has been expressed that, in view of the court's crowded calendar, it might be at least a year before the case is heard.

Greyhound Corp. . . . Leaping Along

Greyhound Corp., management-holding company for the several Greyhound bus operating companies, has announced, subject to ICC and other regulatory authority approval, purchase of a 33.7 per cent common stock interest in Pacific Greyhound Lines held by Southern Pacific Railroad Co., a 50 per cent common stock interest in Pennsylvania Greyhound Lines held by Pennsylvania Railroad Co., and all operations of Tennessee Coach Co. Acquisition of this last company will give Greyhound 97,000 route miles of bus operation.

In addition, negotiations are underway for purchase of Blue Ridge Lines and its affiliate, White Star Lines.

Leasing Regs Deferred . . . for HHG Carriers

The Interstate Commerce Commission has suspended paragraphs (c), (d) and (e) of Section 207.4 of its leasing regulations insofar as they apply to household goods carriers until July 1, 1954. ICC action followed further consideration of petitions by ATA's Movers Conference of America, Greyvan Lines and Atlas Van Lines.

(TURN TO PAGE 314, PLEASE)

YEAR-ROUND REFERENCE

Here is your new Buyer's Directory, more complete, more accurate, more useful than anything of its kind available to truck and bus fleetmen. This 1953 issue is the product of a year's work on the part of our directory staff. It contains more than 1000 products commonly used by maintenance men and those affiliated with vehicle operation. More than 9000 listings with complete addresses of sources are included in the next one hundred pages.

Worthy of special note this year is the generous use of cross references with regard to product names. This arrangement, processed only after considerable time and thought, should make this directory even more handy to those seeking manufacturers of specialized products. Keep this issue handy throughout the year. It will save you time and trouble in your purchasing.

AVAILABLE INFORMATION

To keep the directory within practical limits, it is limited generally to manufacturers who distribute on a national scale. Names of local distributors may be obtained by writing the manufacturer concerned.

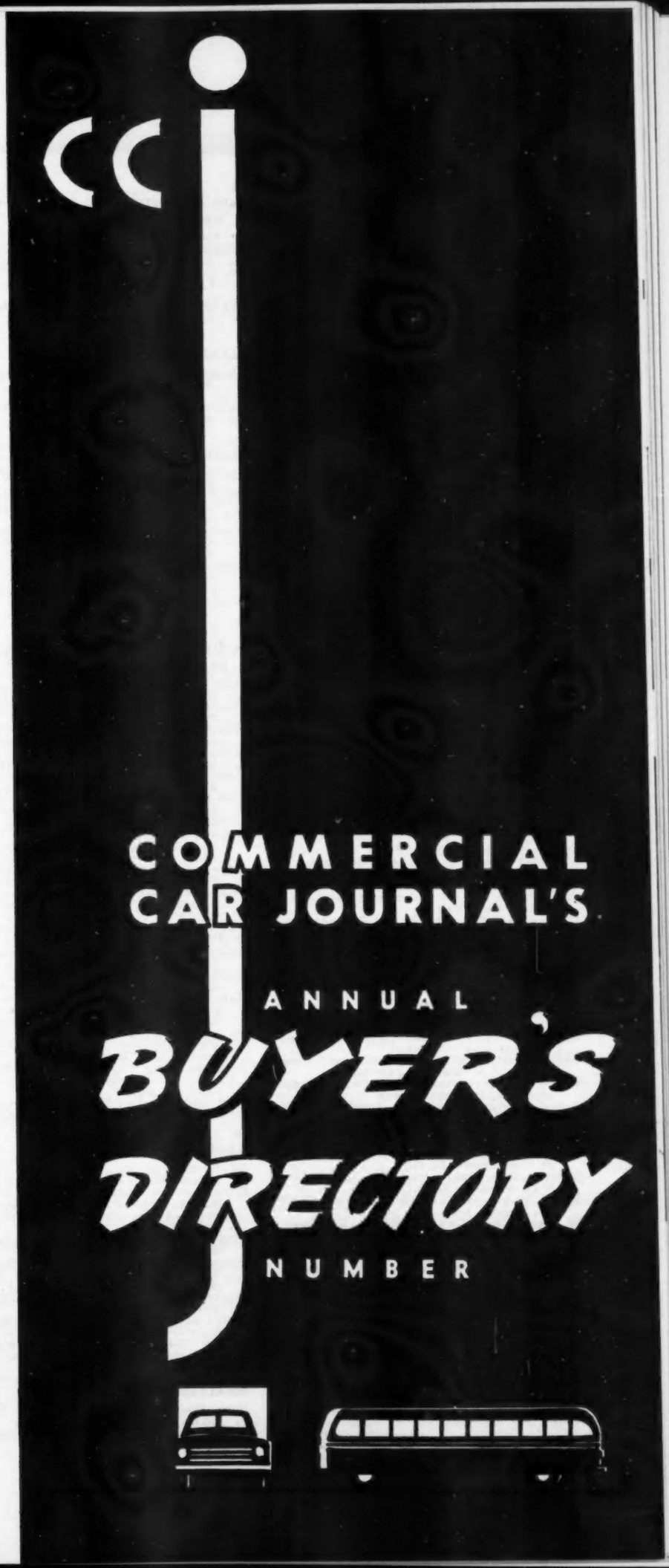
It should be remembered that most vehicle manufacturers stock a complete line of parts for their vehicles. Obviously it would be impractical to list all of them under each product heading.

HINTS ON PROPER USE

Breakdown of products is by commonly accepted nomenclature, usually with the noun first (i.e. Removers, paint). In cases where common usage has developed a compound word or a closely connected adjective, the entry will be found under the descriptive name i.e. Spark Plug.

CONSULT THE ADVERTISERS

No distinction has been made in most listings between advertisers and non-advertisers. But quite obviously more information on many products can be obtained by referring to advertisements in this issue. (Index at back of book). Complete details on any product can be obtained by using the post card inserted at page 58.



ABRASIVES, See Sand Paper

ABSORBENTS, Oil and Grease (Floor)

Carey Mfg. Co., Philip Lockland, Cincinnati 15, Ohio.
Flor-Dry Co., 2314 Wycliff St., St. Paul 4, Minn.
Normandy Chemical Corp., Ninth & Western Sts., Muskegon, Mich. "Saif & Oil Master."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Oil-Dri Corp. of America, 520 N. Michigan Ave., Chicago, Ill.
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Penn Drake Kwixorb."
Pennsylvania Salt Mfg. Co., 1000 Widener Bldg., Philadelphia 7, Pa.
Philadelphia Quartz Co., 1146 Public Ledger Bldg., 6th & Chestnut Sts., Philadelphia 6, Pa.
Rhodes & Co., James H., 153 W. Hubbard St., Chicago 10, Ill.
Speedi-Dri Corp., 210 W. Washington Square, Philadelphia 5, Pa.
Waverly Petroleum Products Co., 1724 Chestnut St., Philadelphia 3, Pa. "Sol-Speedi-Dri."
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich. "Wyandotte Zorball."

ACCELEROMETERS

Tapley Products Corp., 53 Park Pl., N. Y. 7, N. Y. (Importers.)

ACETYLENE, See Gas, Acetylene

ADJUSTERS, Brake

Brakemaster Corp., 4603 W. Roosevelt Rd., Chicago 50, Ill.

ADJUSTERS, Tire Chain

American Chain Div. of American Chain & Cable Co., 454 E. Princess St., York, Pa. "Weed."
Campbell Chain Co., York, Pa.
Cleveland Chain & Mfg. Co., Broadway & Chaincroft Rd., Cleveland 5, Ohio.
Crown Products Co., Ralston, Neb.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Grayson Tool Co., 1412 W. 2nd St., Hastings, Neb.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md.
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
Nauman Mfg. Corp., R. F., 525 Michigan Ave., Buffalo 3, N. Y. "Naco."
Nixdorf-Krein Mfg. Co., 916 Howard St., St. Louis 6, Mo. "Elephant Brand."
Peerless Chain Co., Front & Walnut Sts., Winona, Minn. "Superior."
Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
Round California Chain Co., Bayshore Highway, So. San Francisco, Calif.
Round Chain & Mfg. Co., 6000 W. 51st St., Chicago 38, Ill.
Round Los Angeles Chain Corp., 427 S. Hewitt St., Los Angeles 54, Calif.
Round Seattle Chain Corp., 6921 E. Marginal Way, Seattle 8, Wash.
Round Woodhouse Chain & Mfg. Co., Third St., Trenton 7, N. J.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Southern Chain & Mfg. Co., 927 N. 21st St., Birmingham 4, Ala.
Tingley Rubber Co., 903 Ross St., Rahway, N. J. "C.O.T."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill. "Wesco."
Wickwire Spencer Steel, Div. of Colorado Fuel & Iron Co., 575 Madison Ave., N. Y. 22, N. Y.

AIR CLEANERS, See Cleaners, Air

AIR COMPRESSORS, See Compressors, Air

AIR CONDITIONING UNITS, Truck, Bus and Trailer

(See also Coolers, Truck, Bus and Trailer)
Frigidaire Div. General Motors Corp., 300 Taylor St., Dayton, Ohio.
Keco Industries, Inc., 2832 Spring Grove Ave., Cincinnati 25, Ohio.

ALARMS, Carbon Monoxide, See Indicators, Carbon Monoxide

ALARMS, Cargo Protection

Babaco Alarm Systems, Inc., 723 Washington St., New York 14, N. Y.

ALIGNERS, Wheel, See Gages, Wheel and Axle Aligning

ALLOYS, Magnesium

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. "Dowmetal." (Bars, Rods, shapes, sheet and plate.)
Federated Metals Div. American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
Niagara Falls Smelting & Refining Div. Continental Copper & Steel Industries, Inc., 2204 Elmwood Ave., Buffalo 23, N. Y.
Wellman Bronze & Aluminum Co., 12800 Shaker Blvd., Cleveland 20, Ohio.

ALUMINUM (Sheet, Rod, Ingot and Shapes)

Ajax Metal Div. of H. Kramer & Co., 46 Richmond St., Philadelphia 23, Pa. (Ingot.)
Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. "Alcoa."
American Nickeloid Co., Peru, Ill. (Nickel and chrome plated aluminum, in sheets.)
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y. (Ingot)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. (Rod and ingot.)
Cleveland Electro Metals Co., 2391 W. 38th St., Cleveland 13, Ohio. "Cemco." (Shot, ingot and shapes.)
Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa. (Rod, bar and wire.)
Fairmont Aluminum Co., Fairmont, W. Va. "Falco." (Sheet, coil, circles and plate.)
Federated Metal Div. American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
Hamden Smelting Co., State & Edmund Sts., New Haven, Conn. "USA." (Ingot.)
Harvey Machine Co., 19200 S. Weston Ave., Tarrance, Calif. (Rod and wire.)
North American Smelting Co., Marine Terminal, Wilmington, Del. (Ingot and shot.)
Kaiser Aluminum & Chemical Corp., 1924 Broadway, Oakland 12, Calif. (Sheet, plate, coils, circles, billets, pig, ingot, rod, bar and wire.)
Precision Extrusions, 720 E. Green Ave., Bensenville, Ill. (Extruded shaper.)
Reynolds Metals Co., 3rd & Grace Sts., Richmond 19, Va. (Sheet plate, wire rod bar, ingot and pig.)
U. S. Reduction Co., Melville & Chicago Aves., East Chicago, Ind. "Usco." (Ingot.)

AMMETERS, Instrument Board

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Hoyt Electrical Instrument Works, 292 Main St., Cambridge 42, Mass. (Sole distributors, Burton-Rogers Co., 292 Main St., Cambridge 42, Mass.)
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Simpson Electric Co., Div. of American Gage & Machine Co., 5208 W. Kinzie St., Chicago 44, Ill.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago, Ill.
United States Gauge Div. of American Machine and Metals, Inc., Sellersville, Pa.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J.

ANALYZERS, Combustion

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Cambridge Instrument Co., Inc., 3001 Grand Central Terminal Bldg., N. Y. 17, N. Y.
Choldun Mfg. Corp., 331 East St., New Haven, Conn.
Commercial Research Laboratories, Inc., 29 Bartlett St., Detroit 3, Mich.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Mixture Master."
Engelhard, Inc., Charles, 900 Lassaic Ave., East Newark, N. J. "Exhaustalyser."
Gale-Hall Engineering, Inc., North Hampton, N. H.
Gow-Mac Instrument Co., 100 Kings Rd., Madison, N. J.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Permutit Co., 330 W. 42nd St., New York 36, N. Y. "Ranarex."
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff, Inc., Joseph, Algono, Iowa.

ANALYZERS (Engine and Electrical Equipment)

Actane Chemical Co., Philadelphia 8, Pa.
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. "Motor Tuner," "Motor Tester."
Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Hydrovac."
Gale-Hall Engrg., Inc., North Hampton, N. H.
Heyer Industries, Inc., 471 Cortland St., Belleville 9, N. J.
Hygrade Products Co., 35-35 35th St., Long Island City, N. Y. "Vac-O-Scope."
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Mack Products Co., 15 Putnam St., Winthrop, Mass.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo.
Weidenhoff, Inc., Joseph, Algona, Iowa.

ANTI-FREEZE, Cooling System

Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa. "Cleanola."
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Carbide & Carbon Chemicals Co., Div. of Union Carbide & Carbon Corp., 30 E. 42 St., New York 17, N. Y.
Cliffs Dow Chemical Co., Wright St., Marquette, Mich. "Sentinel."
Commercial Solvents Corp., 260 Madison Ave., New York 17, N. Y. "Ajax," "Frost Chek," "Peak," "Plus," "Nor'way."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Permento."
du Pont de Nemours & Co., E. I., Polychemical Dept., Zerone & Zerex Anti-Freeze Section, Wilmington 98, Del. "Zerone," "Zerex."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. "Esso," "Atlas Permaguard."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Monsanto Chemical Co., Merrimac Div., Everett Station, Boston 19, Mass. "Eskimo."
National Carbon Div. of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. "Prestone," "Trek."
Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y.
Pennsylvania Refining Co., Dumont Div., 2696 Lisbon Rd., Cleveland 4, Ohio. "Penn Drake."
Porte Mfg. Co., 3179 Atlantic Ave., Brooklyn 8, N. Y. "Compass."
Prairie States Oil & Grease Co., Danville, Ill.
Randall Products Mfg. Co., 2095 Broadway, New York 23, N. Y. "Rand-Zone."
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Freezone."
Speco, Inc., 7308 Associate Ave., Cleveland 4, Ohio. "Speco," "Freezex," "Freez-Rem."
U. S. Industrial Chemicals Co., Div. of National Distillers Products Corp., 120 Broadway, New York 5, N. Y. "Super-Pyro."

V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif.
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.

ANTI-FREEZE, Gasoline Line

Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Bullseye Corp., 150 Amity Rd., New Haven 15, Conn. "I C U Livegas." (Sole distributors, Livingston Co., 150 Amity Rd., New Haven 15, Conn.)
Casite Div. Hastings Mfg. Co., Hastings, Mich. "Drout."
Commercial Solvents Corp., 260 Madison Ave., New York 16, N. Y. "Nor'way Dry-Ex."
Cristy Chemical Corp., 21 Putnam Lane, Worcester 4, Mass. "Cristy Drygas."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, Wilmington 98, Del. "Gas Guard."
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Heet Div. of Demert & Dougherty, Inc., 3001 W. 47th St., Chicago 32, Ill.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whix Zorbit."
Lubri-Loy Co., 6319 Wilson St., St. Louis 10, Mo.
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K Startrite."
Pennsylvania Refining Co., Gumout Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Gumout."
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Silos."
Porte Mfg. Co., 3178 Atlantic Ave., Brooklyn 8, N. Y. "Gasec."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md. "De-Icer."
Zecol, Inc., 3270 S. 3rd St., Milwaukee 7, Wis.

ARMATURES

American Generator & Armature Co., 2614 W. 48th St., Chicago 32, Ill.
Arrow Armatures Co., 15 Fordham Rd., Boston 39, Mass. (Rewinds.)
General Armature & Mfg. Co., Mill Hall, Pa.

ARBOR PRESSES, See Presses, Arbor

ARMS, Breaker

Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y.
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y.

ASSEMBLERS, Front Drive

Northwestern Auto Parts Co., 834 N. Seventh St., Minneapolis 11, Minn. "Napco." (For Chevrolet and GMC trucks.)

AXLE, Load Equalizing

De Lay Industries, Inc., 834 Paul Brown Bldg., St. Louis 1, Mo.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.

AXLE STRAIGHTENERS, See Straighteners, Axle. (Also Gages, Wheel and Axle Aligning.)

AXLE SHAFTS

Canton Drop Forging & Mfg. Co., 207 12th St., S. E., Canton, Ohio.
Detroit Devel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dittmer Gear Mfg. Corp., 193 Grand St., Lockport, N. Y.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Spencer Mfg. Co., N. Main St., Spencer, Ohio.
Steel and Tubes, Inc., 224 E. 131st St., Cleveland, Ohio.
U. S. Axle Co., Inc., Water St., Pottstown, Pa.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.
York Electric & Machine Co., Loucks Mill Rd., York, Pa. "Bilt-Well"; "Foreman" (Sole distributors, Foreman, Inc., 630 Loucks Mill Rd., York, Pa.)

AXLE SUSPENSION UNITS, for Trailers

Edwards Trailer Co., Div. of Edwards Iron Works, Inc., Center Line, Mich. (Mailing address 23500 Sherwood Rd., Detroit 34, Mich.)
Eidal Mfg. Co., 250 Woodward Rd., S. E., Albuquerque, New Mexico.
Fayette Mfg. Co., Fayette, Ohio.
General Tire & Rubber Co., Englewood & Holmes Ave., Akron 9, Ohio. (Air springs.)
Grico Two Axle Drive Co., 19840 Eight Mile Road, W. (Redford Station), Detroit 19, Mich.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyons (Chicago suburb), Ill. "Hendrickson Tandem."
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hutchens & Son Metal Products, Inc., W. 66 Bypass & Division St. Rd., Springfield, Mo.
Kingham Trailer Co., Inc., 15th & Hill Sts., Louisville, Ky.
Neway Equipment Co., 1183 E. Laketon St., Muskegon, Mich. (Tandem unit.)
Pointer-Williamette Co., P. O. Box 368, Edmonds, Wash.
Reynolds Mfg. Co., 600 Prospect Ave., Springfield, Mo. "Reyco Tandem."
Shamrock Trailers & Axle Mfg. Co., 13447 Schaefer St., Detroit, Mich.
Shuler Axle Co., 2901 S. 2nd St., Louisville 8, Ky.
Standard Forge & Axle Co., Hunter Sta., Montgomery 2, Ala. (Licensee.)
Steel Products Co., Inc., Box 1007, Savannah, Ga. "Great Dane."
Trailmobile, Inc., 31st & Robertson Ave., Cincinnati 9, Ohio.
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Gravity Springs."
Trucktor Corp., Route 29, Mountainside, N. J.
Union Metal Mfg. Co., 1432 Maple Ave., N. E., Canton 5, Ohio. "Hoobler." (Self-steering undercarriage.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif. (Licensors.)

AXLE UNITS, Third, for Trucks

Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif. (Chain drive.)
Detroit Automotive Products Corp., 8701 Grinnell Ave., Detroit 13, Mich. "Thornton Four-Rear Wheel Drive." (Four wheel drive; also "Load Booster.")
F. A. B. Mfg. Co., 1249 67th St., Oakland 8, Calif. "Fabco."
Grico Two Axle Drive Co., 19840 Eight Mile Road, W. (Redford Station), Detroit 19, Mich.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyon, Ill.
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill.
Neway Equipment Co., 1183 E. Laketon St., Muskegon, Mich.
Six Wheels Inc., 1584 E. 20th St., Los Angeles 11, Calif. "Maxi."
Superior Trailer Works, 1430 E. Washington Blvd., Los Angeles 12, Calif. (Also four-wheel chain drives.)
Thornton Four-Rear Wheel Drive—See Detroit Automotive Products Corp.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich.
Trailmobile, Inc., 31st & Robertson Aves., Cincinnati 9, Ohio.
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio.
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Gravity Springs," also "Truxmore."
Truckstell Mfg. Co., 1435 Union Commerce Bldg., Cleveland 14, Ohio. "Baumis."
Truckton Corp., Route 29, Mountainside, N. J. (Also chain and sprocket drive.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Weber Trailer & Mfg. Co., 1104 E. Fifth St., Los Angeles 13, Calif.

AXLES, Front

Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis.. "Rex Spangler" (Dual-steering tandem.)
Clark Equipment Co., Buchanan, Mich. (Truck and bus.)
Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio. (Truck.)
Hahn Motors Inc., 400 S. Third St., Hamburg, Pa. "Rex-Spangler." (Dual for trucks; sole distributors, Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis.)
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks and buses.)

AXLES, Front Drive

American-Coleman Co., Littleton, Colo. (For conversions of Ford, Chevrolet, International, G.M.C. and Dodge trucks.)
Marmon-Herrington Co., 1511 W. Washington St., Indianapolis 7, Ind. (For Ford conversions.)
Northwestern Auto Parts Co., 834 N. Seventh St., Minneapolis 11, Minn. "Napco." (For Chevrolet & GMC trucks.)
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks.)

AXLES, Rear

Clark Equipment Co., Buchanan, Mich. (Truck and bus.)
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Cal.
Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyons, Ill. (Wheel reduction.)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer-Salisbury."
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks.)

AXLES, Rear (Two Speeds)

Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks.)

AXLES, Trailer

American Steel Foundries, 410 N. Michigan Ave., Chicago 11, Ill.
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y. (House.)
Fayette Mfg. Co., Fayette, Ohio.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis. "Torq-less."
Grico Two Axle Drive Co., 19840 Eight Mile Road, W. (Redford Station), Detroit 19, Mich.
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Calif. (Truck.)
Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky. "Kingham-Universal."
Liggett Spring & Axle Co., Monongahela, Pa.
Shamrock Trailers & Axle Mfg. Co., 13447 Schaefer St., Detroit, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Spencer Mfg. Co., N. Main St., Spencer, Ohio.
Spencer-Safford Loadcraft, Inc., Augusta, Kan. "Loadcraft."
Springfield Body & Trailer Co., 1631 College St., Springfield, Ohio. "Frazier."
Standard Forge & Axle Co., Hunter Station, Montgomery 2, Ala.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich.
Trucktor Corp., Route 29, Mountainside, N. J.
United Mfg. Co., 30 Interstate St., Bedford, Ohio. "Caravan."

• BABBITT TO BEARINGS

BABBITT METALS

(See also Bearings and Bushings, Die Cast, Babbitt, etc.)
Aluminum Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa. (Aluminum alloys.)
Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.

BABBITTING MACHINES, See Machines, Babbitting

BALANCERS, Wheel

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich. "Visubalancer," "John Bean."
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Lambert, Inc., 513 Hunter Ave., Dayton, Ohio. "Balastat."
Lempco Products, Inc., 5490 Dunham Road, Bedford, Ohio. "Vibrascope."
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich. (Static.)
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis 4, Ind. "Seal Line."
Speedmaster Ltd., 630 E. 10th St., Oakland 4, Calif.
Stephenson Foundry & Mfg. Co., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic." (Static and dynamic.)
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago, Ill. (Electronic.)
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. (Dynamic.)

BARS, Towing (One Man Type)

Campbell Co., H. D., 402 Dewey Ave., Rochelle, Ill. "Wayne."
Caro Mfg. Co., P. O. Box 900, Battle Creek, Mich. "Moto-matic Tow Guide." (Sole distributors, Pilot Distributing Co., 31 South Pl., Battle Creek, Mich.)
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Eagle Mfg. Co., 414 E. Winnebago St., Appleton, Wis.
Fulton Co., 1912 S. 82nd Ave., Milwaukee 14, Wis.
Wood-Williams-Copp Mfg. Co., 5239 N. Michigan Ave., Ypsilanti, Mich. "Red Arrow."

BATTERIES, Dry

Bright Star Battery Co., 200 Crooks Ave., Clifton, N. J.
Burgess Battery Co., Freeport, Ill.
General Dry Batteries, Inc., 131000 Athens Ave., W. Cleveland, Ohio.
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind.
National Carbon Co. Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. "Everready."
Olin Industries, Inc., Electrical Div., 275 Winchester Ave., New Haven 4, Conn. "Olin."
Underwood Battery Co., 1250 Ontario St., Cleveland, Ohio. (Flashlight.)
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio.

BATTERIES, Storage

American Battery Co., 1520 McGavock St., Nashville 3, Tenn.
Am-Plus Storage Battery Co., 1000 W. 94th St., Chicago 20, Ill.
Atlantic Battery Co., 80 Elm St., Watertown 72, Mass.
Auto-Lite Battery Corp. (Sub. of Electric Auto-Lite Co.), Toledo 1, Ohio.
Bowers Battery & Spark Plug Co., Reading, Pa.
Chicago Forging & Mfg. Co., 2000 Southport Ave., Chicago 14, Ill. "Varley."
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Crescent Battery & Light Co., 819 Magazine St., New Orleans 12, La.
Cumberland Battery Mfg. Co., 201 First Ave., S., Nashville 3, Tenn. "Southern."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Douglas Battery Mfg. Co., Winston-Salem, N. C.
Ebert-Allen Battery Co., 2225 Main St., Joplin, Mo. "Cargo," "Major."
Edison, Inc., Thomas A., Automotive Div., Kearney, N. J.
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa. "Exide."
The Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron 17, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Geidel Battery Mfg. Co., 3393 Bigelow Blvd., Pittsburgh 19, Pa.
General Lead Batteries Co., 196 W. Railway Ave., Paterson, N. J. "Titan," "Durex." "Royal."
Gill Electric Mfg. Corp., 624 W. Citrus Ave., Redlands, Cal.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. "Glasstex."
Gould-National Batteries, Inc., First Nat'l Bank Bldg., St. Paul 1, Minn. "Kathanode."
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Great Northern Battery Co., 130 W. Pittsburgh Ave., Milwaukee 4, Wis.
Hester Battery Mfg. Co., 10 Culvert St., Nashville, Tenn.
Hobbs Battery Co., 1000 42nd St., Oakland, Calif. "Gold-Seal," "Hobbs," "Triple A."
Kelly-Springfield Tire Co., Cumberland, Md.
Laher Battery Production Corp., 2615 Magnolia St., Oakland, Cal. "Exeter," "Laher" and "Richmond."
Loreman Automotive Products, Moore & Division Sts., Salisbury, Md.
Lyons Storage Battery Co., Hamburg, Pa.
Marlatt Battery Div., 1112 Industrial Ave., Danville, Ill.
Monark Battery Co., 6501 W. Grand Ave., Chicago, Ill. "Combat," "Interstate," "Invader," "Monark," "Majestic."
Multnomah Battery Mfg. Co., 1901 N. W. Wilson St., Portland 9, Ore.
Patterson Corp., 437 Park Ave., N.W., New Philadelphia, Ohio. "Bowers," "Penn."
Pennsylvania Rubber Co., P. O. Box 377, Mansfield, Ohio.
Perrine Quality Products Corp., 55 Rumford Ave., Waltham, Mass. "Perrine Polar Bear."
Perry Batteries, 3102 Corunna Road, Flint 3, Mich.
Prest-O-Lite Battery Co., Toledo 1, Ohio.
Price Battery Corp., Hamburg, Pa., "Thor," "Lyons" (Sole distributors, Lyons Storage Battery Co., Hamburg, Pa.; "Witherbee," sole distributor, Witherbee Storage Battery Co., Hamburg, Pa.).
Prime Battery Mfg. Co., 2001 W. 8th St., Anderson, Ind.
Pure Oil Co. 35 E. Wacker Drive, Chicago 1, Ill.
Reading Batteries, Inc., Box 916, Reading, Pa. "Rebat."
Red Diamond Battery Mfg. Co., 1415 N. Adams St., Peoria 3, Ill.
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa. "Marathon," "Packard," "Reliance."
Solar Corp., 647 W. Virginia St., Milwaukee 4, Wis.
Standard Electric Co., 115 San Pedro Ave., San Antonio, Tex. "Reliable," "Star," "Stelco," "Ful-O-Pep," "Comet."
Surrette Storage Battery Co., Jefferson Ave., Salem, Mass.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Battery Co., 3410 S. La Salle St., Chicago 16, Ill. "Universal," "Coliseum."
Volta Battery Corp., 1000 E. 87th St., Chicago 19, Ill.
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio.
Wisconsin Storage Battery Co., 1222-18th St., Racine, Wis. "Wisco."
Witherbee Storage Battery Co., Hamburg, Pa.

BATTERY CHARGERS, See Chargers, Battery.

BEARING and CON ROD SERVICE

Federal-Mogul, Detroit 13, Mich.

BEARINGS, Ball

Aetna Ball & Roller Bearing Co., 4600 Schubert Ave., Chicago 39, Ill. (Thrust and angular contact.)
Ahlberg Bearing Co., 3025 W. 47th St., Chicago 32, Ill.
American Ball Bearing Co., 70 Flushing Ave., Brooklyn 1, N. Y.
Automatic Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill.
Ball & Roller Bearing Co., 22 Maple Ave., Danbury, Conn. "B&RB."
Bearings Co. of America, 501 Harrisburg Ave., Lancaster, Pa. "BCA."
Bearings Industry Co., 311 W. 56th St., New York 19, N. Y. ("BIC"; "R & M" [Imported].)
Boston Gear Works, Div. Murray Corp., 14 Hayward St., Quincy 71, Mass.
Burgess-Norton Mfg. Co., 731 Peyton St., Geneva, Ill. (Assemblies.)
Consolidated Bearings Co., 13 Princeton St., East Orange, N. J. "SRO."
Fafnir Bearing Co., 37 Booth St., New Britain, Conn.
Federal Bearings Co., 17 Fairview Ave., Poughkeepsie, N. Y.
Green Ball Bearing Co., 9518 Cassius Ave., Cleveland 5, Ohio.
Gwilliam Co., 360 Furman St., Brooklyn 2, N. Y.
Heim Co., 46 Sanford St., Fairfield, Conn.
Hoover Ball & Bearing Co., Ann Arbor, Mich.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Kaydon Engineering Corp., Muskegon, Mich.
L & S Bearing Co., 6 S. Pennsylvania Ave., Oklahoma City, Okla.
McGill Mfg. Co., 259 Indiana Ave., Valparaiso, Ind.
Majestic Bearing Co., 2515 S. Wabash Ave., Chicago 16, Ill. (Sole distributors, Letterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Marlin-Rockwell Corp., 402 Chandler St., Jamestown, N. Y. "M-R-C." (Sole distributors to replacement trade, M-R-C Bearings Service Co., Jamestown, N. Y.)
Master Parts Div., Airtex Products Inc., Fairfield, Ill.
Matthews Mfg. Co., 104 Gold St., Worcester 1, Mass. (Unground.)
New Departure Div. General Motors Corp., Bristol, Conn. (Steel.)
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.
Norma-Hoffmann Bearings Corp., Hamilton Ave., Stamford, Conn.
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.
Powercraft Corp., 2515 S. Wabash Ave., Chicago, Ill. "Powerflo."
SKF Industries, Inc., Front St. & Erie Ave. Philadelphia 32, Pa.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill. "Sealmaster."
Thomson Industries, Inc., 1029 Plandome Rd., Manhasset, N. Y.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
Wagner Mfg. Co., E. R., 4611 N. 32nd St., Milwaukee 16, Wis.

BEARINGS, Clutch Throwout

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio.
Aetna Ball & Roller Bearings Co., 4600 Schubert Ave., Chicago 39, Ill. (Ball; sole distributors to replacement trade, Automotive Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill.)
Airtex Automotive Div., Airtex Products Inc., Fairfield, Ill.
Andrew-Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Automotive Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill. "A.T.B."
Bearings Co. of America, 501 Harrisburg Ave., Lancaster, Pa. "BCA."
Chefford Master Mfg. Co., Fairfield, Ill. "Lubro-Life."
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Green Ball Bearing Co., 9518 Cassius Ave., Cleveland 5, Ohio.
L & S Bearing Co., 6 S. Pennsylvania Ave., Oklahoma City, Okla.
Master Parts Div. Airtex Products Inc., Fairfield, Ill.
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.

Instead of simply saying CHROME

the industry is learning it pays to say

Sealed Power KromeX

FULL-FLOW RING SETS

3 vital surfaces chrome-faced

1 Top compression ring is chrome-alloy cast iron with SOLID CHROME face, factory-lapped to a light-tight finish, with Granosealed sides for flexibility.

2 Side rails of MD-50 oil ring have SOLID CHROME faces. Granosealed sides for flexibility. Hundreds of thousands of cars have proved this ring best for oil control even in badly tapered and out-of-round bores.

3 All rings in Sealed Power KromeX Ring Sets are beveled or tapered to thread-line contact for quicker seating and blow-by control.

MD-50 STEEL OIL RING
The only ring with the Full-Flow Spring
Best for oil control even in
BADLY TAPERED
and
OUT-OF-ROUND BORES

FIGHT HEAT, FRICTION, ABRASION CORROSION
the four worst enemies of piston-ring life

25 MAJOR ENGINE BUILDERS use Sealed Power chrome rings!

GET IT FROM YOUR JOBBER

SEALED POWER CORPORATION, MUSKEGON, MICHIGAN

Sealed Power Piston Rings

BEST IN NEW TRUCKS BEST IN OLD TRUCKS

BEARINGS, Clutch—*continued*

Perfect Parts Inc., 55 Amsterdam Ave., New York 23, N. Y.
Perfection Gear Co., 152nd St. & Viscennes Ave., Harvey, Ill.
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa. "Purebon."
Randall Graphite Bearings, Inc., Greenlaum & Lake Sts., Lima, Ohio. (For Chevrolet, Pontiac and Oldsmobile cars.)
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

BEARING LEAK DETECTORS, See Testers, Bearing Wear

BEARINGS, Needle

Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Kaydon Engr. Corp., Muskegon, Mich.
McGill Mfg. Co., 259 Indiana Ave., Valparaiso, Ind. "Multirol."
Orange Roller Bearing Co., 557 Main St., Orange, N. J.
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.
Torrington Co., 56 Field St., Torrington, Conn.

BEARING, Packers—See Packers, Bearing

BEARINGS, Roller

Aetna Ball & Roller Bearing Co., 4600 Schubert Ave., Chicago 39, Ill.
American Ball Bearing Co., 70 Flushing Ave., Brooklyn 1, N. Y.
Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Automotive Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill.
Ball & Roller Bearing Co., 22 Maple Ave., Danbury, Conn. "B&RB."
Bearings Industry Co., 311 W. 56th St., New York 19, N. Y. ("BIC"; "R & M." Imported.)
Bower Roller Bearing Co., Hart & Goethe Aves., Detroit 14, Mich. (Distributors to replacement trade, Federal Mogul Service Div., Detroit 13, Mich.)
Consolidated Bearings Co., 13 Princeton St., East Orange, N. J. "SRO."
Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio.
Gwilliam Co., 360 Furman St., Brooklyn 2, N. Y.
Heim Co., 46 Sanford St., Fairfield, Conn.
Hoover Ball & Bearing Co., Ann Arbor, Mich.
Hyatt Bearings Div., General Motors Corp., Harrison N. J.
Industrial Engineering Co., Island Rd. & Suffolk Ave., Philadelphia 42, Pa.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Kaydon Engineering Corp., Muskegon, Mich.
L & S Bearing Co., 6 S. Pennsylvania Ave., Oklahoma City, Okla.
McGill Mfg. Co., 259 Indiana Ave., Valparaiso, Ind.
Majestic Bearing Co., 2515 S. Wabash Ave., Chicago 16, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Norma-Hoffmann Bearing Corp., Hamilton, Ave., Stamford, Conn.
Orange Roller Bearing Co., 557 Main St., Orange, N. J.
Powercraft Corp., 2515 S. Wabash Ave., Chicago, Ill. "Powerflo."
Roller Bearing Co. of America, Whitehead Rd., Trenton 3, N. J. "20th Century," "R B C," "Cyclops," "Pitchlign."
Rollway Bearing Co., 541 Seymour St., Syracuse, N. Y.
SKF Industries, Inc., Front St., & Erie Ave., Philadelphia 32, Pa.
Timken Roller Bearing Co., 1835 Dueber Ave., S. W., Canton 6, Ohio.
Torrington Co., 56 Field St., Torrington, Conn.
Tyson Bearing Corp., Oberlin & Thomas Aves., Massillon, Ohio.
United Motors Service, General Motors Bldg., Detroit 2, Mich.

BEARINGS and BUSHINGS, Bronze-Backed

American Bearing Corp., 429 S. Harding St., Indianapolis, Ind.
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite."
Buckeye Brass & Mfg. Co., 6410 Hawthorne Ave., Cleveland, Ohio.
Bunting Brass & Bronze Co., 715 Spencer St., Toledo 9, Ohio.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Also sole distributors to replacement trade, Clevite Service, Inc.,. 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth" bearings.)
Detroit Aluminum & Brass Corp., 3975 Christopher Ave., Detroit 11, Mich. (Bearings.)
Federal-Mogul Corp., 11031 Shoemaker Rd., Detroit 13. Mich.
Johnson Bronze Co., 510 S. Mill St., New Castle, Pa.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Bearings.)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. (Bearings.)
Morris Co., J. Leslie, 4227 Whiteside St., Los Angeles 63, Calif. "Moroloy."
Pioneer Motor Bearing Co., 790 Eddy St., San Francisco 9, Calif. (Babbitt lined.)
Randall Graphite Bearings, Inc., Greenlaum & Lake Sts., Lima, Ohio. (Bearings.)
United Motors Service, General Motors Bldg., Detroit 2, Mich.

BEARINGS and BUSHINGS, Die Cast, Babbitt, etc.

Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Also sole distributor to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth" bearings.)
Detroit Aluminum & Brass Corp., 3975 Christopher Ave., Detroit 11. Mich.
Federal-Mogul Corp., 11031 Shoemaker Rd., Detroit 13, Mich.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Bearings.)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis Mo. (Bearings.)
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis, Ind.
Morris Co., J. Leslie, 4227 Whiteside St., Los Angeles 63, Calif. "Moroloy."
National Molded Products, Inc., 40 S. St. Marys St., St. Marys, Pa.
Pioneer Motor Bearing Co., 790 Eddy St., San Francisco 9, Calif.

BEARINGS and BUSHINGS, Self-Aligning

National Molded Products, Inc., 40-42 S. St. Marys St., St. Marys, Pa. (Bearings.)
Southwest Products Co., 10 S. Catalina Ave., Pasadena 1, Cal.

BEARINGS and BUSHINGS, Steel-Backed

Al-Fin Div., Fairchild Engine & Airplane Corp. Farmingdale L. I., N. Y. (Aluminum lined, semi-finished.)
American Bearing Corp., 429 S. Harding St., Indianapolis, Ind. (Babbitt lined.)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite."
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. "Clevite 77," "Bimetal," "Trimetal." (Also sole distributor to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth" Bearings.)
Detroit Aluminum & Brass Corp., 3975 Christopher Ave., Detroit 11, Mich. (Bearings.) "Michigan".
Dura-Bond Bearing Co., 715 Loma Verde Ave., Palo Alto, Calif. (Babbitt lined bearings.)
Federal-Mogul Corp., 11031 Shoemaker Rd., Detroit 13, Mich.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Bearings.)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Bearings.)
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio.
Morris Co., J. Leslie, 4227 Whiteside St., Los Angeles 63, Calif. "Moroloy."
Pioneer Motor Bearing Co., 790 Eddy St., San Francisco 9, Calif. (Babbitt lined.)
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. (Engine bearings.)
United Motors Service, General Motors Bldg. Detroit 2, Mich.
Wolverine Gear & Parts Co., Osseo, Mich. (Camshaft bearings.)

BELTS, FAN and ACCESSORIES

Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Boston Woven Hose & Rubber Co., P. O. Box 101, Boston 3, Mass. "Bull Dog."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Continental Rubber Works, 1946 Liberty St., Erie, Pa.
Crown Products Co., Ralston, Neb.
Dayton Rubber Co., 2342 W. Riverview Ave., Dayton 1, Ohio.
Durkee-Atwood Co., 215 Seventh St., N. E. Minneapolis 13, Minn.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. "Longlife."
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc. Manheim, Pa.
Haywood Industries, P. O. Box 1004, Dayton 1, Ohio. "Modac."
Holfast Rubber Co., 1486 Lakewood Ave., S. E., Atlanta 1, Ga.
Kelly-Springfield Tire Co., Cumberland, Md.
Loreman Products, Moore & Division Sts., Salisbury, Md.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
New York Belting & Packing Co., 1 Market St., Passaic, N. J. "Gilmer."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure"
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper," "Miracle."
Raybestos Div. of Raybestos-Manrattan, Inc., 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Thermold Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

BENCH DRILLS, See Drill Presses

BENDERS, Tube

Capewell Mfg. Co., 60 Governor St., Hartford, Conn. "Armstrong-Bridgeport."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco."
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Farrell-Cheek Steel Co., Ft. Madison St., Sandusky, Ohio.
Greenless Bros. & Co., 2100 12th St., Rockford, Ill.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Leonard Precision Products Co., 10052 Larson Ave., Garden Grove, Calif. "Leonard-Douglas."
Lidseen, Inc., Gustave, 832 S. Central Ave., Chicago, Ill. "Chicago." (Hand, portable.)
Logansport Machine Co., Center Ave., Logansport, Ind.
O'Neill-Irwin Mfg. Co., Lake City, Minn. "Di-Arco."
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Paul Machine Tool & Die Works, 4600 S. Kedzie Ave., Chicago 32, Ill.
Pines Engrg. Co., 604 Walnut St., Aurora, Ill.
Tal Bender, Inc., 417 N. Water St., Milwaukee 2, Wis. "Tal Prestal."
Williams, White & Co., Third Ave. & Eighth St., Moline, Ill.

BINDERS, See Load Binders

Whiteside St., Los
loy."
, 790 Eddy St.,
(Babbitt lined.)
300 Summit St.,
bearings.)
ral Motors Bldg.

Co., Osseo, Mich.

ORIES
St., Huntington,
er Co., P. O. Box
Bull Dog."
nc., 637 N. Jack-
1946 Liberty St.,
, Neb.
Riverview Ave.,
venth St., N. E.
., 1200 Firestone
Broadway, Denver
Main St., Akron,
, 1144 E. Market
s-Manhattan, Inc.
Box 1004, Dayton
akewood Ave., S.
Cumberland, Md.
& Division Sts.,
F. Goodrich Co.,
, Ohio.
ng Co., 1 Market
lmer."
er Drive, Chicago
higan Ave., Ken-
," "Miracle."
-Manrattan, Inc.,
d, Conn.
Equip. Sales Div.,
2, Mich. "R/M."
d Rd., Trenton 6.

ockefeller Center,
as, New York 20,

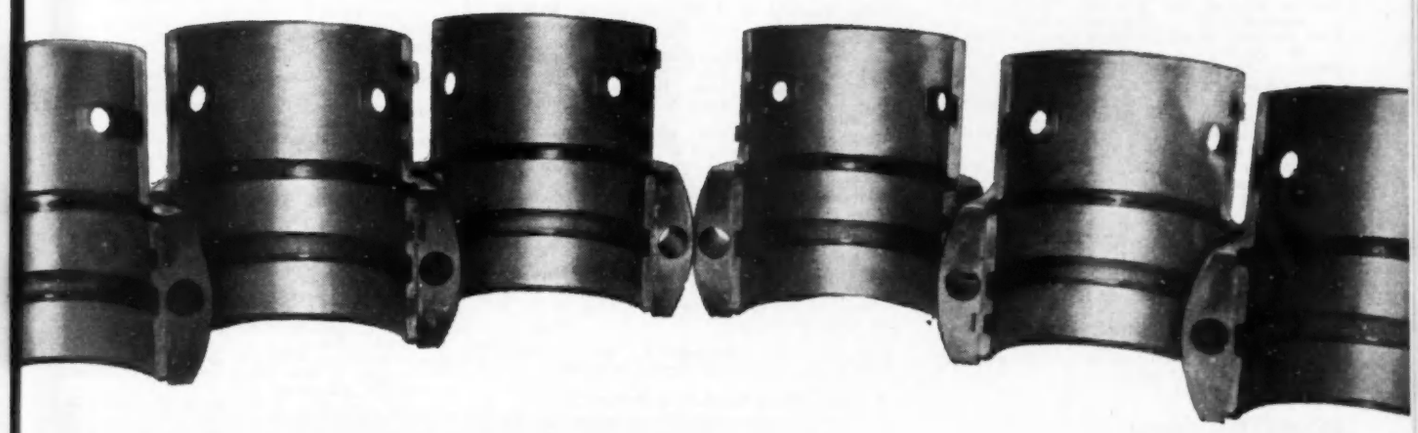
Presses

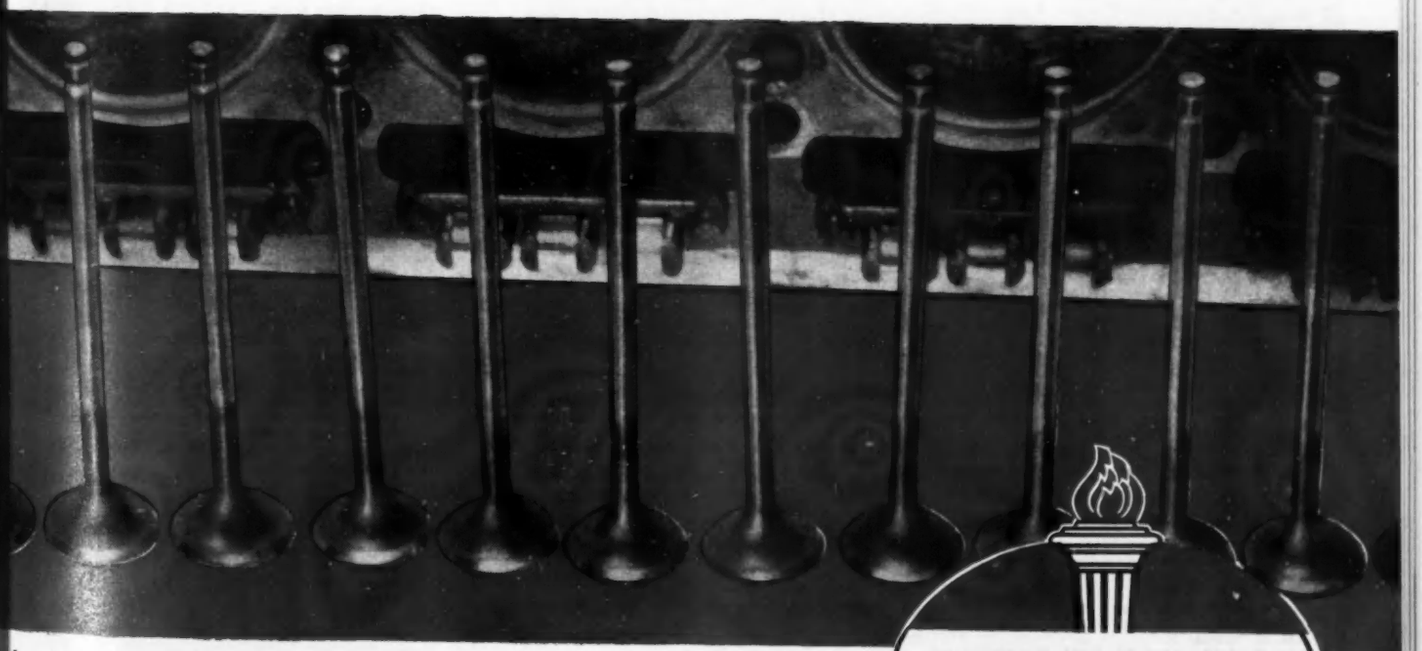
nor St., Hartford,
report."
2649 N. Kildare
Logan Blvd., Chi-
Inc., 81 Madison
Ft. Madison St.,
12th St., Rockford,
1234 W. Harrison
Co., 10052 Larson
f. "Leonard-Doug-
S. Central Ave.,
(Hand, portable.)
nter Ave., Logans-
e City, Minn. "Di-
Cedar St., Owa-
325 Euclid Ave.,
Works, 4600 S.
, Ill.
ut St., Aurora, Ill.
ter St., Milwaukee
ird Ave. & Eighth

rs

these engine parts!

TANOLUBE HD-M Motor Oil kept these connecting rod bearings like new despite severe start-stop service and heavy loads.





A close look at these valves shows no indication of failure or sign of leakage—graphic proof of the superior protection given by STANOLUBE HD-M Motor Oil.

STANDARD

STANDARD OIL COMPANY *(Indiana)*

BINS, Parts Storage

Akro-Mils Inc., 820 E. Market St., Akron 5, Ohio.
American Metal Products Co., 5959 Linsdale Ave., Detroit 4, Mich.
Aurora Equipment Co., Prairie St. at Cleveland Ave., Aurora, Ill. "Equipto."
Bay Products, Inc., 3001 N. 16th St., Philadelphia 32, Pa.
Berger Mfg. Div. Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio.
Borroughs Mfg. Co. Div. American Metal Products Co., 5959 Linsdale St., Detroit 4, Mich. "Flexi-Bins."
De Luxe Metal Furniture Co., Struthers St., Warren, Pa.
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Fort Steuben Metal Products Co., Follansbee, W. Va.
Franklin Co., Bernard, Healey & Bath Sts., Philadelphia 37, Pa.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "F G M."
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
Hope Metal Products Co., 1505 Rockwell Ave., Cleveland 14, Ohio.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Miller Wood Products Co., Greater Rockford Airport, Rockford, Ill.
Neiman Steel Equipment Co., 2960 E. Venango St., Philadelphia 34, Pa.
Red Tiger Products, Inc., 20 N. Wacker Drive, Chicago 6, Ill.
Renie Metal Products Corp., 807 Bowman St., Mansfield, Ohio. "Remco," "Rempco."
Stansteel Corp., 117-20 14th Rd., College Point, L. I., N. Y. (Steel.)

BLADES, Saw (Band)

American Saw & Mfg. Co., 67 Boylston St., Springfield, Mass. "Lenox."
Atkins Saw Div., Borg-Warner Corp., 402 S. Illinois St., Indianapolis 9, Ind. "Silver Steel."
Capewell Mfg. Co., 60 Governor St., Hartford 2, Conn.
Diamond Saw Works, Inc., 260 Court St., Buffalo 2, N. Y. "Sterling" & "Super Sterling."
Disston & Sons, Henry, Tacony, Philadelphia 35, Pa.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Foster Mfg. Co., 287 Delaware Ave., Buffalo 2, N. Y.
Griffin Co., G. W., 93 Memorial St., Franklin, N. H. (Sole distributors, John H. Graham & Co., 105 Duane St., New York 8, N. Y.)
Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.
Millers Falls Co., Greenfield, Mass. "Universal."
Napier Saw Works, 22 Cottage St., Middletown, N. Y. "Quality."
Rockwell Tools, Inc., 1314 Kinnear Rd., Columbus 8, Ohio.
Simonds Saw & Steel Co., 470 Main St., Fitchburg, Mass.
Spartan Saw Works, Inc., 152 Fisk Ave., Springfield 7, Mass.
Victor Saw Works, 22 Cottage St., Middletown, N. Y.

BLADES, Saw (Circular)

Atkins Saw Div., Borg-Warner Corp., 402 S. Illinois St., Indianapolis 9, Ind. "Silver Steel."
Chicago Saw Works, Inc., 5036 Wentworth Ave., Chivago 9, Ill.
Circular Tool Co., 765 Allens Ave., Providence, R. I. "Circle R."
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio.
Disston & Sons, Henry, Tacony, Philadelphia 35, Pa.
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. (Mica undercutting.)
National Tool Co., W. 112th St. & Madison Ave., Cleveland 2, Ohio. "National-Cleveland."
Page Slotting Saw Co., 1836 Laurence Ave., Toledo 6, Ohio.
Retool Corp., 4540 W. Burnham St., Milwaukee 46, Wis.
Rockwell Tools, Inc., 1314 Kinnear Rd., Columbus 8, Ohio.
Simonds Saw & Steel Co., 470 Main St., Fitchburg, Mass.
Standard Tool Co., 3950 Chester St., Cleveland 14, Ohio.
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

BLEEDERS, Hydraulic Brake

Arsco Mfg. & Sales Corp., 451-10th Ave., New York 18, N. Y.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Dixie Machine Tool Div. of Avery Drilling Machine Co., P. O. Box 625, Cincinnati 1, Ohio.
Eis Automotive Corp., Middletown, Conn.
Farback Chemical Co., Chase & Duane Sts., Cincinnati 23, Ohio, "Hy-Bra-Flow."
Gray Co., 60 11th Ave., N.E., Minneapolis 13, Minn. "Graco."
Grigg Specialty Tools, 8103 Marbrisa Ave., Huntington Park, Calif.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Puritan Co., 961 Lyell Ave., Rochester 6, N. Y.
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Wilco Products Inc., 595 Valley St., Orange, N. J.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

BLOCKS (For Cranes & Derricks)—See Cranes, Crawler & Truck Mounted

BLOCKS, Brake See Lining Brake

BLUE, Mechanics'

Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Durkee-Atwood Co., 215 Seventh St., N.E., Minneapolis 13, Minn.
Permatex Co., 1720 Ave. Y., Brooklyn 29, N. Y.
Van Cleef Bros., Inc., 7800 So. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand."

BODIES, Ambulance and Funeral

Eureka Co., 312 W. First St., Rock Falls, Ill.
Franklin Body & Equipment Corp., 1042 Dean St., Brooklyn, N. Y. (Ambulance.)
Hesse & Eisenhardt Co., 8959 Blue Ash Ave., Rossmoyne, Ohio.
Meteor Motor Car Co., 125 Clark Ave., Piqua, Ohio.
Miller Co., A. J., Bellefontaine, Ohio.
National Body Mfg. Co., Knightstown, Ind.
Roehlk Spring and Body Co., 417 S. 15th St., St. Louis 3, Mo.
Shop of Siebert, Waterville, Ohio.

BODIES, Commercial

Allegheny Body Co., 1633 N. 6th St., Phila. 22, Pa.
Aluminum Body Corp., 4601 S. Soto St., Vernon 11, Calif.
American Body & Equipment Co., P. O. Box 3107, Dallas 1, Tex. (Insulated and refrigerated.)
American Body & Trailer, Inc., P. O. Box 1150, Oklahoma City 1, Okla.
American Fire Apparatus Co., Golden Ave. at Main St., Battle Creek, Mich. (Fire fighting apparatus.)
American Truck & Body Co., Martinsville, Va. "Pack-Haulers."
Andrews Industries, Inc., 7901 Alabama Ave., St. Louis 11, Mo.
Arkansas Machine Specialty Co., Hope, Ark. (Bottlers'.)
Ashton Power Wrecker Equip. Co., 1701 W. Lafayette St., Detroit 16, Mich.
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa. "Berger."
Auto Body Works, Pierce Ave. & Eighth St., Appleton, Wis. "Pierce."
Auto Truck Equipment Co., 7501 Penn Ave., Pittsburgh 8, Pa. "Ateco."
Badger Body Mfg. Co., 2719 Cuming St., Omaha, Neb. (Combination grain and stock.)
Baker Equipment Engrg. Co., Summit & Norfolk Sts., Richmond 11, Va. (Also public utility.)
Baker Trailer & Body Co., 700 N. 20th St., St. Louis 3, Mo.
Baltimore Body Corp., 2253 Kirk Ave., Baltimore, Md.
Barkow Co., H., 153 N. Milwaukee St., Milwaukee 2, Wis.
Barry & Baily Co., 2419 N. 27th St., Philadelphia 32, Pa.
Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill.
Batavia Body Co., 5 W. Wilson St., Batavia, Ill. (Refrigerator.)
Baughman Mfg. Co., Jerseyville, Ill.
Belgrade Wagon Works, 3740 E. Thompson St., Philadelphia 37, Pa.
Belmont Body Builders, 175 Belmont Ave., Newark 3, N. J.
Black & Sons, Inc., Adam, 276 Tonnele Ave., Jersey City 6, N. J. (Refrigerator.)
Boardman Co., 1401 S. W. 11th St., Oklahoma City, Okla.
Bolick Sons Co., Jerome, Conover, N. C.
Born & Sons, Herman, 219 N. Fremont Ave., Baltimore 1, Md.
Borum, Son & Co., J. W., 716 Freemason St., Norfolk, Va. (Stake, beverage and van.)
Boyertown Auto Body Works, Inc., Third & Walnut Sts., Boyertown, Pa.
Brandt, Inc., Charles T., Body Div., 201 N. Haven St., Baltimore 24, Md.
Brightbill Body Works, Inc., M. A., Lebanon, Pa.
Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
C & C Trailer & Body Co., 8855 San Leandro St. Oakland 21, Calif.
Carnegie Body Co., 6115 Carnegie Ave., Cleveland 3, Ohio.
Cato Trailer Service Co., White Horse Rd., Greenville, S. C. (Truck and trailer.)
Chadwick, Inc., Seventh St. & Keystone Ave., Darby, Pa.
Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis. "Rex Motor-Mixer" (Ready mixed concrete.)
Checker Cab Mfg. Corp., 2016 N. Pitcher St., Kalamazoo, Mich.
Clark Co., B. M., Union, Maine.
Clayson-Lorenz Co., 4058 W. Chicago Ave., Chicago 51, Ill. (Custom built.)
Cliffside Body Corp., 230 Laird Ave., Cliffside Park, N. J. (Steel.)
Coach & Body Co., 9503 Woodland Ave., Cleveland 4, Ohio. Utility bodies for line construction.
Corbitt Co., Henderson, N. C.
Couse Mfg., Inc., 300 Passaic St., Newark 4, N. J. (Armored.)
Cresci, A., & Son, Boulevard & Grape Sts., Vineland, N. J.
Crown Steel Products Co., Orrville, Ohio. (Utility.)
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
De Hart & Son, H. A., Crown Pt. Rd., Thorofare, N. J.
DeKalb Commercial Body Co., W. 229 Garden St., DeKalb, Ill. (Stake, milk delivery, freighter vans, bakery, laundry, refrigerator, parcel delivery, etc.)
Delphi Body Works, 311 S. Washington St., Delphi, Ind. (Public utility, special laboratory and display type.)
Diehl & Sons, Inc., 129 Atlantic Ave., Richmond Hille 19, N. Y.
Dixie Tallyho, Inc., Fairburn, Ga. (Unit which converts truck into station wagon for pickup bodies.)
Driban Body Works, 1310 S. Second St., Philadelphia, Pa.
Dura-Bilt Body Co., Bldg. No. 8, National Dock, East Boston 28, Mass.
Eagle Mfg. Co., 414 E. Winnebago St., Appleton, Wis. (Utility line construction.)
Edwards Trailer Co., Div. of Edwards Iron Works, Center Line, Mich. (Mailing address 23500 Sherwood Rd., Detroit 34, Mich.)
Engineering and Research Corp., P. O. Box, 209 Hyattsville, Md. "Erco."
Evans Mfg. Co., John, (3 miles south of Hwy. 15A), Sumter, S. C.
Farrell Mfg. Co., 804 E. Cass St., Joliet, Ill. (Public utility.)
Feigelson Co., Alex., 500 S. Fourth St., Beaumont, Tex. (Stake and platform.)
Finn Auto Body Co., 15 W. Charlton St., Cincinnati 19, Ohio.
Franklin Auto Body & Equipment Corp., 1042 Dean St., Brooklyn, N. Y.
G & G Mechanical Co., 722 N. Main St., Fort Worth 6, Texas.
General Body Mfg. Co., 713 W. Pennway, Kansas City, Mo.
Gentry Body & Trailer Co., N. Fourth St., Chickasha, Okla.
Gertenslager Co., Wooster, Ohio. (Custom-made.)

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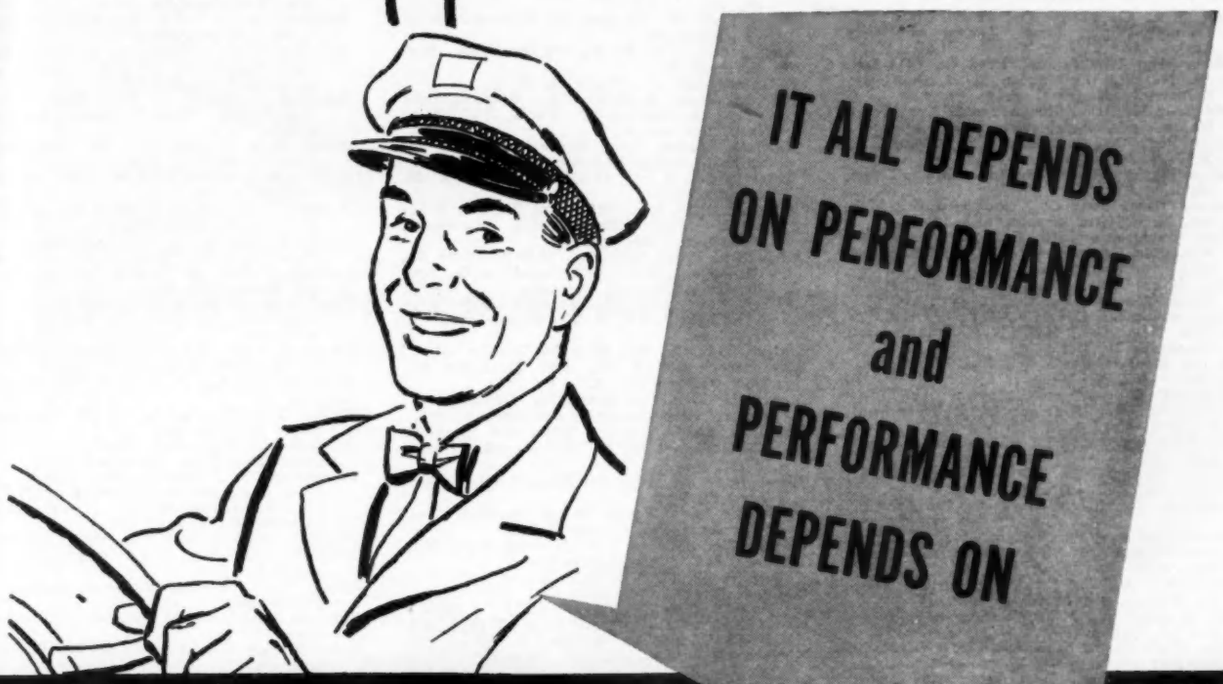

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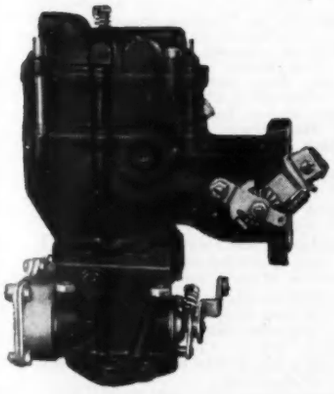

No manufacturer could long exist in the competitive commercial vehicle field without drawing heavily on previous owners for new vehicle sales. It is perfectly obvious, no owner would buy the same make vehicle again and again unless it has delivered satisfactory performance. Therefore, it is just good business to see that every component contributes its share toward building owner loyalty. That's why manufacturers whose vehicles are Zenith* equipped measure carburetion costs in lasting terms rather than initial expense. In the field of heavy-duty carburetion, one name, Zenith, has stood for lasting satisfactory performance for over a quarter of a century. Zenith's rugged construction, strong idling, freedom from stalling and response to every demand make it the engineers' choice. For good will, it's good business to specify the best—Zenith for lasting performance.

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Export Sales: Bendix International Division, 205 East 42nd Street, New York 17, N.Y.

BODIES, Commercial—*continued*

Giant Mfg. Co., 12th Ave. & S. Sixth St., Council Bluffs, Iowa. (Farm and City Stake.)
Gichner Iron Works, Inc., Fred S., 1214-24th St. N. W., Washington 7, D. C. (Glass industry, soft drink, etc.)
Giffel Body Mfg. Co., 845 Lafayette Ave., Terre Haute, Ind. (Refrigerator.)
Glasier Body Co., 391 Adams St., Newark 5, N. J.
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio.
Hackney Bros. Body Co., Goldsboro St., Wilson, N. C. (Refrigerator and dairy.)
Halsey Machine & Mfg. Co., 131 Arrowhead Ave., San Bernardino, Calif. (Bottling and oil.)
Hayes Mfg. Corp., 551 Seventh St., N.W., Grand Rapids 2, Mich.
Hercules-Campbell Body Co., Tarrytown, N. Y.
Hercules Mfg. Co., 1501 W. Franklin St., Evansville 10, Ind.
Hercules Steel Products Co., Box 477, Galion, Ohio.
Herman Body Co., 4400 Clayton Ave., St. Louis 10, Mo. (Refrigerator, delivery van, bottlers, etc.)
Hesse Carriage Co., 1720 Cherry St., Kansas City, Mo.
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis. (Public utility.)
Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Hoffman Auto Body Service, Inc., 1480 N. Grant Ave., Columbus, Ohio. (Insulated & refrigerated.)
Hoiby Body Co., E., 2010 Washington Ave., N., Minneapolis, Minn.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
Hooper Body Corp., 31 St. & Warwick Ave., Newport News, Va. "Hooper-Bilt."
Hoosier Bodies, Inc., P. O. Box 277, Richmond, Ind.
Hubbard Mfg. Co., Farmland, Ind. (Service car.)
Industrial Steel Tank & Body Works, 5755 Landregan St., Emeryville, Calif.
Jannell & Son Body Co., Cumberland Hill Rd., Woonsocket, R. I.
Jefferson Body Co., 1711-3rd Ave., S., Birmingham 3, Ala.
Jensen's Body Shop, Phillips, Wis.
Joplin Body & Trailer Co., 730 E. Fifth St., Joplin, Mo.
Kammer Body Corp., 150 Beaver St., Jamaica 4, N. Y.
Kennedy Mfg. Co., 501 N. Monroe St., Streator, Ill. (Grain, live stock.)
Kensington Wagon Works, 2756 Frankford Ave., Philadelphia 34, Pa.
Kentucky Mfg. Co., 2601 S. Third St., Louisville 8, Ky.
Ketter Truck Bodies, Third & Ellison Ave., Ironton, Ohio. "Markette."
Kewanee Mfg. Co., 1642 Burlington Ave., Kewanee, Wis.
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 1, Mo.
Keystone Wagon Works, Inc., 5625 Tacony St., Philadelphia 24, Pa. (Refrigerator.)
Kiley Co., James A., 15 Linwood St., Somerville, Mass. (Public utility.)
Kingham Trailer Co., 15th & Hill Sts., Louisville 10, Ky. "Kingham-Universal."
Kirk & Blum Mfg. Co., 3119 Forrer St., Cincinnati, Ohio. "K & B." (Stake.)
Knapheide Mfg. Co., Quincy, Ill. (Grain and livestock.)
Koch & Son Mfg. Co., 200 Wilson Ave., N. E., St. Cloud, Minn.
Koerner Sons, Inc., John, 94 Walton St., Brooklyn 6, N. Y.
Lacey & Sons Co., W. F., 50 Mystic Ave., Medford 55, Mass.
Lang Co., 267 W. First South St., Salt Lake City 10, Utah.
Lewisohn Sales Co., Inc., 4001-15 Dell Ave., North Bergen, N. J., "Lewgust."
Love Wagon Co., Durant, Miss.
McAvoy & Son, Inc., Peter, 30 Garden St., New Rochelle, N. Y.
McCabe-Powers Auto Body Co., 5900 N. Broadway, St. Louis 15, Mo. "Service Master" (Service truck); "Powers," "Power-American." (Public utility.)
Meeks Son, S. J., 622 G St., N. W., Washington 1, D. C.
Mellinger Lumber, Inc., 16 Madison St., Leetonia, Ohio.
Metal Auto Parts Co., Chase & Henry Sts., Indianapolis 7, Ind.
Meteor Motor Car Co., 125 Clark Ave., Piqua, Ohio. (Specialized.)
Met-L-Wood Corp., 6755 W. 65th St., Chicago 38, Ill.
Meyer Body Co., 218 Elm St., Buffalo 3, N. Y. (Refrigerator.)
Mickey Body Co., W. F., 105 Perry St., High Point, N. C.
Mid-State Body Co., Waterloo, N. Y.
Midwest Body & Mfg. Div. Electrographic Corp., S. Central St., Paris, Ill. (Stake, farm and van.)
Midwest Works, Inc., W. on Highway 54, Augusta, Kans. "Augusta."
Miller & Co., A. C., 17 Courtland St., N. E., Atlanta, Ga.
Miller Trailers, Inc., 708 Third St., W., Bradenton, Fla. (Refrigerated, insulated, freight, van and stakes.)
Millington Truck Body Co., 8440 N. State St., Millington, Mich. (Insulated, milk, produce, meat, bakery and beer.)
Modern Auto Body Builders Co., 252 Johnson Ave., Brooklyn 6, N. Y. (Armored and refrigerated.)
Moline Body Co., 222 52nd St., Moline, Ill.
Montgomery Co., E. R., 2500 St. Louis St., New Orleans 19, La.
Montpelier Mfg. Co., Montpelier, Ohio. "Montpelier." (Parcel delivery and frequent stop.)
Morrison Steel Products, Inc., 601 Amherst St., Buffalo 7, N. Y. (Utility and service.) "Carry-All."
Morse Body Mfg. Co., 69 Howard St., Watertown 72, Mass.
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa. (Utility bodies.)
Murphy Body Works, Inc., Herring Ave., Wilson, N. C. (Also refrigerator.)
Nabors Co., W. C., Mansfield, La.
National Truck Equipment Co., 1611 Crystal Ave., Kansas City 3, Mo. "NSP."
New Haven Carriage & Auto Works, 508 N. W. Everett St., Portland 9, Ore.
Niederhut Carriage Co., 3560 Walnut St., Denver 5, Colo.
Nogues Body Co., 1332 S. Ogden Drive, Los Angeles 19, Calif.
Novelty Carriage Works, Inc., 815 Second Ave., Spokane 4, Wash.
Ohio Body Mfg. Co., New London, Ohio.
Olsen & Son, R. P., 920 N. 24th St., Omaha, Neb. (Refrigerator and insulated.)
Olson Corp., J. B. E., 1740 Broadway, New York 19, N. Y. "Kurb-Side." (Package delivery for Ford, Chevrolet and GMC chassis; "Gargo-King" van.)
Olson & Son, Inc., Chas., 2945 Pillsbury Ave., Minneapolis, Minn.
Omaha Standard, 2401 W. Broadway, Council Bluffs, Iowa.
Oneida Products Corp., Canastota, N. Y.
Orrville Bdy Co., Orrville, Ohio.
Parsons Engineering Corp., 2345 E. 79th St., Cleveland, Ohio. (Public service.)
Peerless Mfg. Corp., 4300 Bluffton Rd., Ft. Wayne 1, Ind.
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co., S. East St., Galion, Ohio.
Pirsch & Sons Co., Peter, 1308 35th St., Kenosha, Wis. (Fire engine.)
Press' Sons, Inc., Jacob, 501 W. 33rd St., Chicago 16, Ill.
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
Providence Body Co., 750 Wellington Ave., Cranston, R. I. (Also van.)
R. B. Co., Quinotte & Euclid Sts., Kansas City 1, Mo. (Roll-off.)
Rehberger & Son, Inc., Arthur, 316 Ferry St., Newark 5, N. J. "Rehberger unloaders." (For cement block and brick industry.)
Reliance Trailer & Truck Co., 2765 16th St., San Francisco 3, Cal.
Roadway Mounting & Equip. Co., 21177 Mound Rd. (P. O. Box 164), Van Dyke, Mich. (Also Utility and stake.)
Robbins & Burke, Inc., 29 Lansdowne St., Cambridge 39, Mass. (Refrigerator and insulated.)
Rock Hill Body Co., W. Main St., Rock Hill, S. C.
Roehlk Spring & Body Co., 417 S. 15th St., St. Louis 3, Mo.
St. Paul Hydraulic Hoist, Div. Gar Wood Industries, Inc., 2207 University Ave., S. E., Minneapolis 14, Minn. "St. Paul Paxall." (Refuse.)
Sawin Machinery Co., 49 Hancock St., North Quincy 71, Mass. "Sawin Converta." (Convertible tow truck or pick-up body.)
Scammell & Sons, 116 Quincy Ave., Quincy 69, Mass.
Schayer & Badinger, Inc., 2841 Tchoupetoulos St., New Orleans 15, La.
Schmitt & Son, Inc., John V., 314 14th St., S.E., Washington 3, D. C.
Schnabel Co., S., 10 & Muriel Sts., Pittsburgh 3, Pa. (Refrigerator.)
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa. (Fire apparatus, rescue, emergency and squad trucks.)
Sherman & Co., Earl, 2526 Wood St., Oakland 7, Cal. "Esco." (Bakery & refrigerated.)
Silver Body Works, Inc., 78 Ingraham St., Brooklyn 6, N. Y.
Soffe & Son, Morris, 170 W. Berks St., Philadelphia 22, Pa.
Spangler Engineering & Sales Co., D. H., 426 S. Third St., Hamburg, Pa.
Specialty Engineering Co., Torresdale Ave. & Pennypack St., Phila. 36, Pa. (Bottlers'.)
Springfield Body & Trailer Co., 1631 College St., Springfield, Mo.
Stahl Metal Products, Inc., 3490 W. 140th St., Cleveland 11, Ohio. "Craftsman." (Also utility.)
Standard Auto Body Co., 4900 S. Soto St., Los Angeles 58, Calif.
Steel Products Co., P. O. Box 1007, Savannah, Ga.
Steffen Body Co., O. F., 613 W. Seventh St., Sioux City 17, Iowa.
Stewart & Stevenson Services, Inc., 4516 Harrisburg Blvd., Houston, Tex.
Stewart Steel Products, Inc., 1785 E. New York Ave., Brooklyn 7, N. Y. (Regrigerator, transportation, van, custom built, platform and stake.)
Stoughton Cab & Body Co., 408 E. South St., Stoughton, Wis. (Van, stake and refrigerated.)
Strick Co., Whitaker Ave. & Godfrey St., Philadelphia 24, Pa.
Superior Auto, Inc., 24 Sprague St., Dayton 7, Ohio.
Swab Wagon Co., 21 S. Callowhill St., Elizabeth, Pa.
Swift All-Steel Body Co., 106 Hoyt St., Saginow 29, Mich.
Theurer Wagon Works, Inc., 601 W. 56th St., New York 19, N. Y.
Thiele & Son, W. J., 170 Pine St., Johnstown, Pa.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Thompson Trailer Corp., Pikesville, Md. (Aluminum public utility, package delivery and flat bed.)
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Time Saver Body Co., 3035 E. Grand Blvd., Detroit 2, Mich.
Traffic Body Co., 5301 N. 2nd St., St. Louis, Mo. (Stake and panel.)
Trailco Mfg. & Sales Co., Mill St., Hummels Wharf, Pa.
Travelodge Corp., 65 N. Madison St., Tulsa, Okla. (Steel and aluminum.)
Triangle Body Works, 2012 Waughton Rd., Winston-Salem 6, N. C. (Stake and van.)
Truck & Trailer Industries, Inc., 611 Jackson Ave., New York 55, N. Y.
Truck Engrg. Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat." (Utility.)
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio. "TEC."
Union City Body Co., W. Pearl St., Union City, Ind. (Parcel delivery for GMC and Chevrolet.)
Utility Body Co., 1530 Wood St., Oakland 7, Calif.
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J.
Wade & Dunton, Inc., 686 Main St., Lewiston, Maine. (Custom built.)
Walsh Body Sales Corp., 92-96 Prospect St., Somerville 43, Mass.
Ward Motor Vehicle Co., 718 S. Fulton Ave., Mt. Vernon, N. Y. (Aluminum.)
Weber Trailer & Mfg. Co., 1104 E. Fifth St., Los Angeles 13, Calif.
Weir Body Co., 4504 Cuming St., Omaha 3, Neb.
Welch Mfg. Co., 533 W. Jefferson St., Phoenix, Ariz.
Wentworth & Irwin Inc., 123 N. E. Oregon St., Portland 14, Ore.
Western Motors, Body Div., 4834 Cermak Rd., Cicero, Ill.
Williamsen Body & Equipment Co., Ninth & Wall Sts., Ogden, Utah. "Wabco."
Wilson Trailer Co., 2400 Leech Ave., Sioux City 6, Iowa. (Grain, livestock, van & refrigerated.)
Winter-Weiss Co., 2001 Blake St., Denver 2, Colo.
Wright Co., Thomas, 185 Dey St., Jersey City 6, N. J.

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BODIES, Commercial—*continued*

Yancey Bros., 110 Jackson St., N. E., Atlanta, Ga.
York-Hoover Corp., Body Div., Belvidere & Linden Aves., York, Pa. (Also public utility.)

BODIES, Commercial (Prefabricated)

Aluminum Body Corp., 4601 S. Soto St., Vernon 58, Calif.
Black & Sons, Inc., Adam, 276 Tonnele Ave., Jersey City 6, N. J.
Brown Trailers, Inc., Box 873, Toledo, Ohio. (Aluminum.)
De Hart & Son, H. A., Crown Pt. Rd., Thorofare, N. J.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Gichner Iron Works, Inc., Fred S., 1214 24th St., N. W., Washington 7, D. C.
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio.
Lindsay Structure, Inc., 5000 Dempster St., Skokie, Ill. (Truck and trailer.)
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa.
Parish Pressed Steel Co., Robeson & Weiser Sts., Reading, Pa. (Sections.)
Thiele & Son, W. J., 170 Pine St., Johnstown, Pa.

BODIES, Dump

Aluminum Body Corp., 4601 S. Soto St., Vernon 58, Calif.
Anthony Co., Streator, Ill.
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa.
Auto Truck Equipment Co., 7501 Penn St., Pittsburgh 8, Pa. "Ateco."
Auto Truck Steel Body Co., 3028 Carroll Ave., Chicago 12, Ill.
Baughman Mfg. Co., Jerseyville, Ill. (Self-unloading.)
Black & Sons, Inc., Adam, 276 Tonnelle Ave., Jersey City 6, N. J.
Clark Co., B. M., Union, Maine.
Converto Mfg. Co., Cambridge City, Ind.
Cook Bros. Equip. Co., 3330 San Fernando Rd., Los Angeles 65, Calif.
Cresci, A., & Son, Boulevard & Grape Sts., Vineland, N. J.
Daybrook Hydraulic Corp., Bowling Green, Ohio.
Dempster Bros., Inc., Box 3127, Knoxville, Tenn. "Dempster Dumpster." (Detachable containers.)
Easton Car & Construction Co., Liberty & Holly Sts., Easton, Pa. (Heavy duty.)
Edward Trailer Co., Div. of Edward Iron Works, Inc., Center Line, Mich. (Mailing address 23500 Sherwood Rd., Detroit 34, Mich.) (Platform, stock and grain.)
Feigelson Co., Alex, 500 S. 4th St., Beaumont, Tex.
Galion Allsteel Body Co., 605 S. Market St., Galion, Ohio.
Gar Wood Industries, Inc., Wayne, Mich. "GW," "Load Packer." (Garbage and rubbish collection unit.)
General Body & Hoist Co., Paris & Garvey Sts., Everett 49, Mass. "Hi-Lift."
Gichner Iron Works, Inc., Fred S., 1214-24th St., N. W., Washington 7, D. C.
Heil Co., Dept. 6253, 3062 W. Montana St., Milwaukee 1, Wis.
Hercules-Campbell Body Co., Tarrytown, N. Y.
Hercules Steel Products Co., Box 477, Galion, Ohio.
Independent Iron Works, Eighth & Pine Sts., Oakland 20, Calif.
Jensen's Body Shop, Phillips, Wis.
Kewanee Mfg. Co., 1642 Burlington Ave., Kewanee, Ill.
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 1, Mo.
Lang Co., 267 W. First South St., Sale Lake City 10, Utah.
Marion Metal Products Co., Cheney Ave., Marion, Ohio
Miller Trailers, Inc., 708 3rd St., P. Bradénton, Fla.
Moline Body Co., 222-52nd St., Moline, Ill.
Montgomery Co., E. R., 2500 St. Louis St., New Orleans 19, La.
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa.
Olson Mfg. Co., 4000 Warm Springs Ave., Boise, Idaho.
Palm Bros. Body Co., Eighth & Buttonwood Sts., Reading, Pa. "Hi-Lift." (Coal.)
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co., S. East St., Galion, Ohio.
Press' Sons, Inc., Jacob, 501 W. 33rd St., Chicago 16, Ill.
Providence Body Co., 750 Wellington Ave., Cranston, R. I.
Rodenhausen's Excelsior Wagon Works, Ninth & Jefferson Sts., Philadelphia 22, Pa.
Roehlk Spring & Body Co., 417 S. 15th St., St. Louis 3, Mo.
St. Paul Hydraulic Hoist, Div. Gar Wood Industries, Inc., 2207 University Ave., S. E., Minneapolis 14, Minn.
Schnabel Co., S., 10 & Muriel Sts., Pittsburgh 3, Pa.
Sicard Industries, Inc., 753 W. Main St., Watertown, N. Y. "Sanivan." (Refuse collection.)
Standard Auto Body Co., 4900 S. Soto St., Los Angeles 58, Calif.
Stewart & Stevenson Services, Inc., 4516 Harrisburg Blvd., Houston, Tex.
Superior Auto, Inc., 24 Sprague St., Dayton 7, Ohio.
Superior Metal Products, Inc., Branson & 18th Sts., Marion, Ind.
Thiele & Son, W. J., 170 Pine St., Johnstown, Pa.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Truck Engineering Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat."
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio. "TEC."
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Teco."
Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash.
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J.
Welch Mfg. Co., 533 W. Jefferson St., Phoenix, Ariz.

BODIES, TANK, See Tanks, Trailer and Truck Body

BODY HOISTS, See Hoists, Truck Body

BODY PARTS (Pre-Shaped)

(See also Hardware, Truck Body)

Anzick Auto Body Parts Co., 23675 Mound Rd., Van Dyke, Mich. "Fit-Rite."
Bath & Co., Cyril, Metal Form Div., E. 70th St. & Machinery Ave., Cleveland 3, Ohio.
Binkley Mfg. Co., Warrenton, Mo.
Boardman Co., 1401 S. W. 11th St., Oklahoma City, Okla.
Cook Metal Works, 337 S. Campbell Ave., Mishawaka, Ind. (Roof caps for cabs, buses, trucks and trailers.)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio.
Edwards Co., Inc., O. M., Syracuse 4, N. Y. (Insulated window.)
Hart Metal Products Corp., 3306 Hammond St., Elkhart, Ind. (Corner posts, roof bows and caps, rut rails, etc.)
Hill Auto Body Metal Co., 700 W. 6th St., Cincinnati, Ohio.
Hutchins Mfg. Co., 9728 Breckenridge Ave., St. Louis 14, Mo. (Panels, etc.)
Indianapolis Power Hammer Works, 309 W. Maryland St., Indianapolis, Ind.
International Spare Parts Corp., 5-01 46th Rd., Long Island City 1, N. Y.
Kinnear Mfg. Co., 2100 Fields Ave., Columbus 16, Ohio.
Kirk & Blum Mfg. Co., 2858 Spring Grove Ave., Cincinnati 25, Ohio.
Lewishon Sales Co., Inc., 4001 Dell Ave., No. Bergen, N. J. "Lewgust."
Lindsay Structure, Inc., 5000 W. Dempster St., Skokie, Ill.
London Vault Co., London, Ohio. "All-Way." (Braces.)
Metalcraft Engr. Corp., 1051 W. Peachtree St., N. E., Atlanta 5, Ga.
Met-L-Wood Corp., 6755 W. 65th St., Chicago 38, Ill.
Midwest Body & Mfg. Div., Electrographic Corp., S. Central St., Paris, Ill.
Miner, W. H., Inc., Rookery Bldg., Chicago, Ill. (Door hinges.)
Monroe Mfg. Co., 2525 S. Dort Highway, Flint 7, Mich. (Platforms.)
Nash Bros. Co., 2125 Dewey Ave., Evanston, Ill.
Parish Pressed Steel Corp., Robeson & Weiser Sts., Reading, Pa.
Randall Co., 5000 Spring Grove Ave., Cincinnati 32, Ohio. (Roof bows.)
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. (Fender braces and bolts.)
Youngstown Steel Car Corp., Niles, Ohio. (Dye-pressed channels, presswork.)

BOLTS, Connecting Rod

Atlas Bolt & Screw Co., 1130 Ivanhoe Rd., Cleveland 10, Ohio.
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Chicago Screw Co., 2701 Washington Blvd., Bellwood, Ill.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Ferry Bros., 3167 Fulton Rd., Cleveland 9, Ohio.
Ferry Cap & Set Screw Co., 2151 Scranton Rd., Cleveland 13, Ohio.
Ferry Screw Products, Inc., E. W., Brookpark (Berea), Ohio.
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio.
Mac-It Parts Co., Shippen & Liberty Sts., Lancaster, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire."
Western Automatic Screw Machine Co., 752 Lake Ave., Elyria, Ohio.

BOLTS, Spring Center

Atlas Bolt & Screw Co., 1130 Ivanhoe Rd., Cleveland 10, Ohio.
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Chicago Screw Co., 1026 S. Homan Ave., Chicago, Ill.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Pheoll Mfg. Co., 5700 W. Roosevelt Rd., Chicago, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire."
St. Louis Screw & Bolt Co., 69 N. Broadway, St. Louis 15, Mo.
Tuthill Spring Co., 760 W. Polk St., Chicago, Ill.
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.
Wheel Parts & Mfg. Co., 354-4th Ave., New York 10, N. Y. "National."

BOLTS, Spring Shackle

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 17, Ill. "Quality Built."
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Chicago Screw Co., 2701 Washington Blvd, Bellwood, Ill.
Clark Bros. Bolt Co., Canal St., Milldale 1, Conn.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Ferry Cap & Set Screw Co., 2151 Scranton Rd., Cleveland 13, Ohio.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill. (Rubber insulated, sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Metzger Welding Co., 1652 Powers St., Cincinnati, Ohio.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Empire."
St. Louis Spring Co., Div. of Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo. "Moog."
Simmons Mfg. Co., Ashland, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.

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BOLTS, Spring Shackle —*continued*

Trayer Products, Inc., E. Clinton St., Elmira, N. Y.
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.

BONDERS, Brake Lining

Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Bonding Equipment Corp., 533 40th St., Union City, N. J.
Dura-Bond, Inc., 1355 N. Main St., Ann Arbor, Mich.
Fostoria Pressed Steel Corp., N. Main St., Fostoria, Ohio. "Evenray," "Durabrake."
Grigg Specialty Tools, 8103 Marbrisa Ave., Huntington Park, Calif. "Grigg Bondmaster."
Grizzly Mfg. Co., 700 W. Caroline St., Paulding, Ohio. "Saftibond."
Huppert Co., K. H., 6830 Cottage Grove Ave., Chicago 37, Ill.
Lapeer Mfg. Co., 3056 Davidson Rd., Lapeer, Mich. "Knu-Bonder."
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Permafuse Corp., 12 Commercial Ave., Garden City, N. Y.
Westbrook Industries, Inc., 140 Malvern St., Newark 5, N. J.

BOOSTERS, BRAKE, See Brakes, Vacuum Power

BOOSTERS, STEERING, See Gears, Steering (Booster Units)

BOOTHS, Spraying (Paint and Varnish)

American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y. "Kellogg-American."
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Black Mfg. Co., 201 2nd St., Harrison, N. J.
Cincinnati Cleaning & Finishing Machinery Co., 317 Hecla St., Ironton, Ohio.
Detroit Sheet Metal Works, 4456 Cass Ave., Detroit 1, Mich.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
M & E Mfg. Co., 2571 Winthrop Ave., Indianapolis 6, Ind.
Macleod Co., 2232 Bogen St., Cincinnati 23, Ohio.
Mahon Co., R. C., 6565 E. Eight Mile Road, Detroit 34, Mich.
Newcomb-Detroit Co., 5741 Russell St., Detroit 11, Mich. "Roto-Wash."
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Peters-Dalton, Inc., 17924 Ryan Road, Detroit 12, Mich. "Hydro-Whirl."
Schmieg Industries, Inc., 29320 Sherwood St., Detroit, Mich.
Spray Engineering Co., 114 Central St., Somerville 45, Mass. "Spraco."
Young & Bertke Co., 2212 Breck St., Cincinnati 14, Ohio.

BORING BARS, See Tools, Cylinder Re-boring

BORING MACHINES, See Machines, Boring

BRAKE Drums, See Drums, Brake

BRAKE LINING, See Lining, Brake

BRAKE LINING GRINDERS, See Grinders, Brake Lining and Shoe

BRAKE LOCKS, See Locks, Brake

BRAKE PARTS, See Parts, Brake

BRAKE RELINING MACHINES, See Machines, Brake Relining; also Ovens, Bonding.

BRAKE SHOES, See Shoes, Brake

BRAKES, Air

Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Lambert." (Disc.)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio. (Also accessory units for trucks and buses.)
Midland Steel Products Co. (Power Brake Div.), 3641 E. Milwaukee Ave., Detroit 11, Mich. "Midland-Christensen."
Timken-Detroit Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks and buses.)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

BRAKES, Electric

Warner Brake & Clutch Co., P. O. Box 620, Beloit, Wis. (Truck.)

BRAKES, Hydraulic

Auto Specialties Mfg. Co., 557 Graves St., St. Joseph, Mich. "Lambert." (Disc.)
Bendix Products Div., Bendix Products Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Martin Co., Glenn L., Baltimore 3, Md.
Timken-Detroit Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks and buses.)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. ["Wagner Lockheed" (Licensees); "Hi-Tork." (For commercial vehicles.)]

BRAKES, Mechanical

American Chain & Cable Co., Automotive & Aircraft Div., 601 Stephenson Bldg., Detroit 2, Mich. "Tru-Stop."
Auto Specialties Mfg. Co., 557 Graves St., St. Joseph, Mich. "Lambert." (Disc.)
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Keysey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind.

BRAKES, Trailer

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Bendix B-K." (Vacuum power.)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis.
Kay-Brunner Steel Products, Inc., 999 Meridan Ave., Alhambra, Calif. (Mechanical.)
Keysel-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Magdraulic." (Electric; "Lathan" vacuum power.)
Midland Steel Products Co., Power Brake Div., 3641 E. Milwaukee Ave., Detroit 11, Mich. (Air and vacuum.)
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky. (Mechanical, vacuum or air.)
Spencer Safford Loadcraft, Inc., Augusta, Kan. "Loadcraft."
Standard Forge & Axle Co., Hunter Station, Montgomery 2, Ala. (Vacuum or air.)
Timken-Detroit Axle Co., 100 Clark Ave., Detroit 32, Mich. (Air and hydraulic.)
United Mfg. Co., 30 Interstate St., Bedford, Ohio. (Hydraulic.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. (Compressed air.)
Warner Brake & Clutch Co., P. O. Box 620, Beloit, Wis. (Electric.)

BRAKES, Vacuum Power

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Bendix B-K," "Bendix Treadle-Vac," "Hydrovac."
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Vacdraulic." (Auto and truck; "Lathan" auto, truck and bus.)
Marvel-Schebler Products Div., Borg-Warner Corp., Decatur, Ill.
Midland Steel Products Co., Power Brake Div., 3641 Milwaukee Ave., Detroit 11, Mich. "Midland-Christensen."
South Gate Brake Specialties Co., 3356 E. 14th St., Los Angeles 23, Calif. "Rocket."
Velvac, Inc., 3530 W. Pierce St., Milwaukee 4, Wis.

BREAKER ARMS, See Arms, Breaker

BREAKER POINTS, See Points, Ignition

BREAKERS, Circuit

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Bulldog Electric Products Co., 7610 Jos Campau Ave., Detroit 32, Mich.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
F & B Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Heinemann Electric Co., Pa. Ave. & Plum St., Trenton 2, N. J. "Magnette."
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio.
Littlefuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Reynolds Mfg. Co., 1805 Alamo National Bldg., San Antonio 5, Tex. "Demco."
Rohden Mfg. Co., 4739 W. Montrose Ave., Chicago 41, Ill. "Short Stop."
Spencer Thermostat Div., Metals & Controls Corp., 34 Forest St., Attleboro, Mass. "Klixon."
Square D Co., 6060 Rivard St., Detroit 11, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh, Pa. "De-ion."

BRUSHES, Carbon Cleaning (Hand)

Millers Falls Co., Greenfield, Mass.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Osborn Mfg. Co., 5401 Hamilton Ave., N.E., Cleveland 14, Ohio.
Pittsburgh Plate Glass Co. (Brush Div.), Baltimore, Md. "Even Trim."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Worcester Brush & Scraper Co., 38 Austin St., Worcester, Mass.

BRUSHES, Carbon Removing

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Herold Mfg. Co., 3927 Clark Ave., Cleveland 9, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Manufacturers Brush Co., 12501 Elmwood Ave., Cleveland, Ohio.
Miller Co., L. B., 394 State St., Stamford, Conn.
Milwaukee Brush Mfg. Co., 2326 N. 30th St., Milwaukee 45, Wis.
Morris Co., C. W., 10628 Cloversdale Ave., Detroit 4, Mich.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Osborn Mfg. Co., 5401 Hamilton Ave., N. E., Cleveland 14, Ohio.
Pittsburgh Plate Glass Co. (Brush Div.), 3221 Frederick Ave., Baltimore 29, Md. "Perfect Balance."
Rinck-McIlwaine, Inc., 16 Hudson St., New York, N. Y. "Rimac."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue point."
Thor Power Tool Co., 175 State St., Aurora, Ill.
Wilde Drop Forge & Tool Co., 2938 Fairmount Ave., Kansas City, Mo.
Worcester Brush & Scraper Co., 38 Austin St., Worcester, Mass.

BRUSHES, Fountain, See Washers, Fountain Brushes & Mops

BRUSHES, Generator, Horn and Starter

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Automotive Specialty Co., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco." (Generator and starter.)
Becker Brothers' Carbon Co., 3450 S. 52nd Ave., Cicero 50, Ill. "B.B.B." (Generator and starter.)
Carbone Co., Myrtle Ave., Boonton, N. J.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn. (Generator and starter.)
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Generator and starter.)

NATIONAL ASSOCIATIONS

(Date in Parentheses Indicates Year Founded)

AMERICAN ASSN. OF STATE HIGHWAY OFFICIALS (1914), 917 National Press Bldg., Washington 4, D. C., H. H. Hale, Executive Sec.

AMERICAN AUTOMOBILE ASSN. (1902), AAA Building, 1712 G St., N.W., Washington 6, D. C., Russell E. Singer, Executive V. P.

AMERICAN PETROLEUM INSTITUTE (1919), 50 West 50th St., New York 20, N. Y., Frank M. Porter, President; James E. Moss, Director Division of Transportation, 1625 K St., N.W., Washington 6, D. C.

AMERICAN ROAD BUILDERS' ASSN. (1902), World Center Bldg., Washington 6, D. C., Eugene Reybold, Exec. V. P. and Sec.

AMERICAN SOCIETY OF BODY ENGINEERS, Inc. (1945), 100 Farnsworth Ave., Detroit 2, Mich., E. Wachnicki, Sec.

AMERICAN SOCIETY OF REFRIGERATING ENGINEERS (1904), 40 West 40th St., New York 18, N. Y., M. C. Turpin, Sec.

AMERICAN TAXICAB ASSN. (1942), 4415 N. California Ave., Chicago 25, Ill., M. H. Smith, Exec. Sec.

AMERICAN TRANSIT ASSN. (1882), 292 Madison Ave., New York 17, N. Y.

STAFF EXECUTIVES:
Executive V. P.—George W. Anderson.
Gen'l Sec.—Arthur W. Baker.
Administrative Asst.—Van Court Lucas.
Asst. to Exec. V. P. & Sec.—Kenneth L. McKee.
Dept. of Personnel & Accident Prevention—Merwyn A. Kraft, Dir.
Dept. of Research—Walter S. Rainville, Jr., Dir.
Public Relations Division—John C. Cropper, Sec.
Managing Editor, Passenger Transport—William U. Taylor.
Statistical Dept.—E. B. McCaul, Dir.
Librarian—Miss Julia Kelly.

AMERICAN TRUCKING ASSNS., INC. (1933), 1424 Sixteenth St., N.W., Washington 6, D. C.

STAFF EXECUTIVES:
Managing Director—John V. Lawrence.
General Manager—Ray G. Atherton.
Asst. to Gen Mgr.—H. Scott Byerly.
Dir. Public Relations & Asst. to Pres.—Walter W. Belson.
General Counsel—Col. James F. Pinkney.
Comptroller—George H. Minnick.
Dir. Dept. of Research—W. A. Bresnahan.
Dir. Traffic Dept.—Frederick G. Freund.
Dir. Dept. of Safety—G. D. Sontheimer.
Dir. Dept. of Industrial Relations—Benjamin R. Miller.
Dir. Law Dept.—Peter T. Beardsley.
Dir. Field Service Dept.—Harry B. Bridgman.
Editor, Transport Topics — Morris H. Glazer.

ATA SECTIONS:
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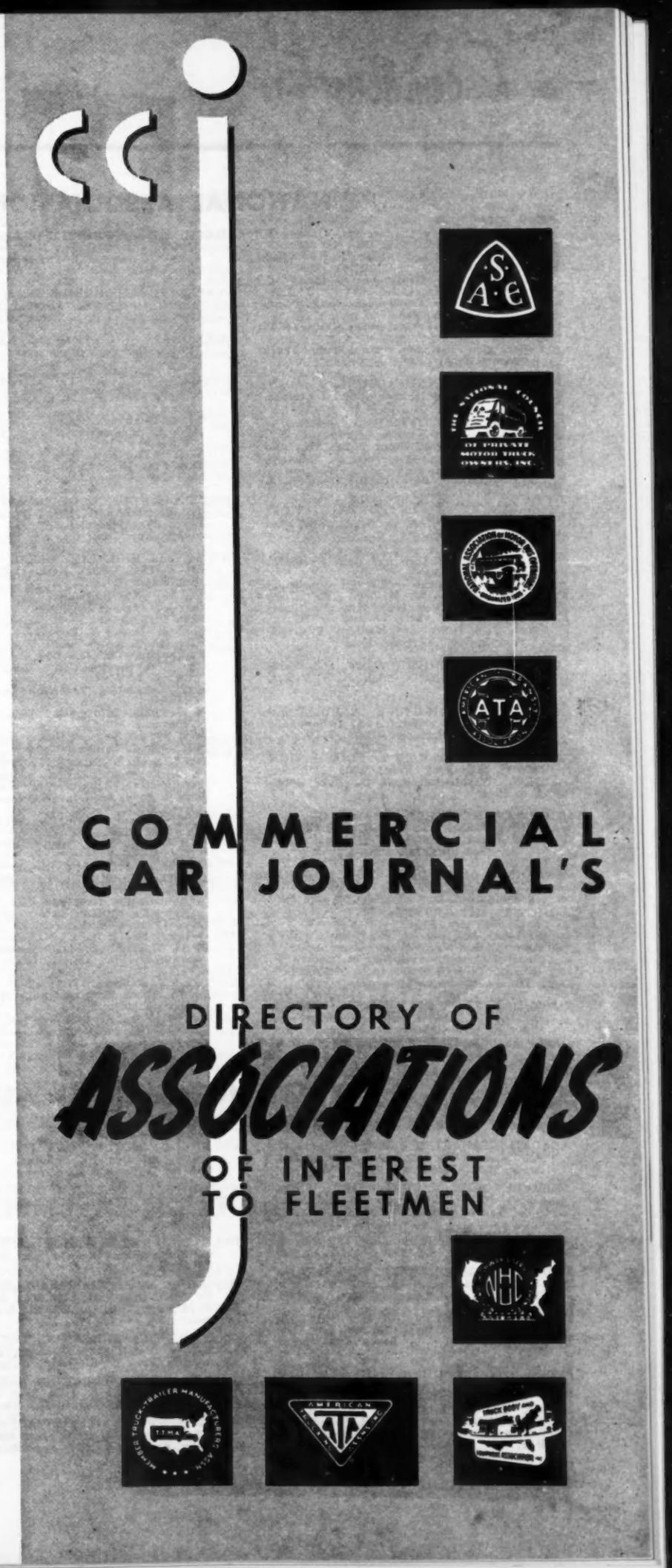
Freight Claim Section—John M. Miller, Sec.
Special Services Section—E. M. Welliver, Chief.
Government Traffic Section — W. J. McCloskey, Chief.
Publicity Section—John McGill, Chief.
Accident Statistics Section—Nel Darmstadter, Chief.
Librarian—Henry Re.

ATA CONFERENCES:
Regular Common Carrier Conference — Robert J. McBride, Gen. Mgr.
Irregular Route Common Carrier Conference—Miss Genevieve McGoff, Exec. Sec.
Local Cartage National Conference—Frank Floyd, Genl. Mgr.
Movers Conference of America—James F. Rowan, Genl. Mgr.
Tank Truck Carriers Conference—C. Austin Sutherland, Managing Director.
Contract Carriers Conference—Mrs. V. H. Kennedy, Exec. Sec.
Automobile Transporters Conference—W. A. Bresnahan, Acting Sec.
Film Carriers Conference — Harry B. Bridgman, Acting Sec.
Oilfield Haulers Conference—Nelle Darmstadter, Acting Sec.



NATIONAL ASSOCIATIONS—*continued*

Private Carriers Conference—Vincent L. O'Donnell. Exec. Sec.
(See also listings under State Truck Associations)
Film Carriers Conference — Harry B. Bridgman, Acting Sec.
Oilfield Haulers Conference—Neile Darmstadter, Acting Sec.
Private Carriers Conference—Vincent L. O'Donnell, Exec. Sec.
(See also listings under State Truck Associations)

AUTOMOBILE MANUFACTURERS ASSN. (1913), 320 New Center Bldg., Detroit 2, Mich.
STAFF EXECUTIVES:
Managing Dir.—Wm. J. Cronin.
Motor Truck Div., Motor Coach Div., and Field Services Dept.—Karl M. Richards, Mgr.
Transportation Research Dept.—John J. Cummings, Dir.
Public Relations Dept.—Harry A. Williams, Dir.
Statistical Dept.—O. P. Pearson, Mgr.
Patent Dept.—Wm. L. Scherer, Mgr.
Traffic Dept.—Carmen E. Brown, Mgr.
Engineering & Technical Dept.—Wm. F. Sherman, Mgr.
Washington Office — 830 Transportation Bldg., Harlan V. Hadley, Mgr.; John H. King, Motor Truck Division representative.
New York Office—366 Madison Ave., Alfred Reeves, Advisory V. P.

AUTOMOTIVE ELECTRIC ASSN., 802 Michigan Bldg., Detroit 26, Mich., S. W. Potter, Exec. Sec.

AUTOMOTIVE ENGINE REBUILDERS ASSN., 419 N. Capitol Ave., Indianapolis 4, Ind., R. G. Patterson, Exec. V. P.

AUTOMOTIVE SAFETY FOUNDATION (1937), 200 Ring Bldg., 1200 18th St., N.W., Washington 6, D. C., Pyke Johnson, Pres.

HIGHWAY RESEARCH BOARD OF NATIONAL RESEARCH COUNCIL (1920), 2101 Constitution Ave., Washington 25, D. C.; Fred Burggraf, Dir.

NATIONAL ASSN. OF MOTOR BUS OPERATORS (1926), 839 17th St., N.W., Washington 6, D. C.
STAFF EXECUTIVES:
Arthur M. Hill, Pres.
Secretary-Manager—A. W. Koehler.
Asst. to Sec.-Mgr.—W. R. Longanecker.
General Counsel—Jack Garrett Scott.
Dir. of Div. of Research & Statistics—Harold R. Hosea.

NATIONAL ASSN. OF TAXICAB OWNERS (1918), 803 Leader Bldg., Cleveland 14, Ohio, H. I. Gwilym, Sec.

NATIONAL AUTOMOBILE DEALERS ASSN. (1917), 1026 17th St., N.W., Washington 6, D. C., Charles J. Farrington, Ass't to the Pres.

NATIONAL AUTOMOBILE TRANSPORTERS ASSN. (1944), 2627 Cadillac Tower, Detroit 26, Mich., R. E. Beiser, Gen. Mgr.

NATIONAL BUS TRAFFIC ASSN., INC. (1933), 506 S. Wabash Ave., Chicago 5, Ill.
P. J. Campbell, Chairman.
North Central Division—340 W. State St., Jacksonville, Ill., N. E. Simmons, Chairman.
South Central Division—Missouri Pacific Bldg., St. Louis 3, Mo., I. J. LaCasse, Chmn.
Western Division—Pine and Battery Sts., San Francisco, Cal., G. G. Magnuson, Chairman.

NATIONAL COUNCIL OF PRIVATE MOTOR TRUCK OWNERS, INC. (1939), Sheraton Bldg., Washington 5, D. C., James D. Mann, Mgr. Dir.

NATIONAL HIGHWAY USERS CONFERENCE, INC. (1932), National Press Bldg., Washington 4. D. C.
STAFF EXECUTIVES:
Director—Arthur C. Butler.
Asst. Director—P. D. McLean.
Counsel—Dawes E. Brisbine.
Research Counsel—Yule Fisher.
Engineering Counsel—Roy E. Jorgensen.
Mgr. State Services Dept.—Russell E. MacCleery.
Mgr. Legislative Reporting Dept.—Myles English..
Mgr. Public Information Dept.—John E. Moore.
Mgr. Special Services Dept.—Harold Gray.
Safety Coordinator—William J. Simon.
REGIONAL REPRESENTATIVES:
(Note: For exact locations, address through National headquarters in Washington.)
John E. Boyd, Jr., Denver, Colorado (Colo., Nev., Utah, Wyo.)
G. H. Buenger, Austin, Texas (Ariz., La., N. Mex., Texas.)
E. E. Cox, Portland, Oregon (Idaho, Mont., Ore., Wash.)
Cecil Fausch, Chicago, Illinois (Ill., Ind., Mich., Ohio, Wisc., and supervision midwestern states.)
G. Lyle Griffin, Oklahoma City, Oklahoma (Ark., Kans., Mo., Okla.)
Lloyd C. Hanson, Minneapolis, Minnesota (Iowa, Minn., Nebr., N. Dak., S. Dak.)
David L. Kelly, Winston-Salem, North Carolina (Fla., Ga., N. Car., S. Car., Va.)
David F. McQuaid, Nashua, New Hampshire (New York and supervision New England states.)
Richard Mele, Albany, New York (Conn., Me., Mass., N. Hamp., R. I., Vt.)
James I. Ritchie; Nashville, Tennessee (Ala., Ky., Miss., Tenn.)
Frederick J. Sievers, Jr., Wilmington, Delaware (Dela., Md., N. J., Pa., W. Va.)
Herbert B. Simpson, San Francisco, California (Calif. and supervision 11 western states.)
(See also listing under State Highway Users Conferences)

NATIONAL TRUCK LEASING SYSTEM (1945), 23 E. Jackson Blvd., Chicago 4, Ill., Miss Martha Dunlap, Sec-Mgr.

NATIONAL SAFETY COUNCIL (1913), 425 N. Michigan Ave., Chicago 11, Ill.
STAFF EXECUTIVES:
Ned H. Dearborn, President.
R. L. Forney, Genl. Secy.
Paul H. Coburn, Dir. Motor Transportation Div.
Eastern Region Office—Edwin S. Smith, Dir., 800 Chrysler Bldg., New York 17, N. Y.
Western Region Office—Tom Burke, Acting Dir., 950 California St., San Francisco 8, Calif.

NATIONAL WHEEL AND RIM ASSN. (1924), 208 W. St. Clair Ave., Cleveland 13, Ohio.

SOCIETY OF AUTOMOTIVE ENGINEERS, INC. (1905), 29 W. 39th St., New York 18, N. Y.
STAFF EXECUTIVES:
Sec. & Gen. Mgr.—John A. C. Warner.
Meetings Div.—T. A. Bissell, Mgr.
Technical Div.—Don Blanchard, Mgr.
Membership & Sections Div. — Hollister Moore, Mgr.
Administrative Div.—J. C. Hollis, Mgr.
Exec. Editor SAE Journal—Norman G. Shidle.
SAE Detroit Office—808 New Center Bldg., Detroit, Mich., R. C. Sackett, Mgr.
SAE Western Branch Office — 714 W. Olympic Blvd., Los Angeles 15, Cal., E. W. Rentz, Jr., Mgr.
(See also listing under SAE Sections and Groups)

RUBBER MANUFACTURERS ASSN., INC. (1900), 444 Madison Ave., New York 22, N. Y., A. L. Viles, Pres.

TIRE AND RIM ASSN., INC. (1903), 2001 First National Tower, Akron 8, Ohio, C. G. Hoover, Exec. V. P. & Sec.

TRANSPORTATION ASSN. OF AMERICA (1935), 130 N. Wells St., Chicago 6, Ill., Donald D. Conn, Exec. V. P.

TRUCK BODY AND EQUIPMENT ASSN., INC. (1952), 1122 Dupont Circle Bldg., Washington 6, D. C., Arthur H. Nuesse, Exec. Mgr. (Formerly National Truck Body Mfg. & Dist. Assn. 1948.)

TRUCK-TRAILER MANUFACTURERS ASSN., INC. (1941), Room 1024 National Press Bldg., Washington 4, D. C., John B. Hulse, Mgr.-Dir.

STATE MOTOR TRUCK ASSOCIATIONS

(Affiliated with American Trucking Assn., Inc., except as noted.)

ALABAMA TRUCKING ASSN., INC. (1936), Bell Bldg., Montgomery, Ala., R. J. Goode, Exec. Vice-Pres.

ARIZONA MOTOR TRANSPORT ASSN. (1939), 1633 W. Jefferson, Phoenix, Ariz., Ellis Wyatt, Secy.-Mgr.

ARKANSAS BUS & TRUCK ASSN., INC. (1942), 914 Wallace Building, Little Rock, Ark., Marion G. Ward, Mgr. (Also buses.)

*PRIVATE TRUCK OWNERS BUREAU OF CALIF., 1625 Russ Bldg., San Francisco 4, Calif., P. Arnold Anderson, Exec. V. P.

TRUCK OWNERS ASSN. OF CALIFORNIA, INC. (1934), 417 Market Street, Rm. 218, San Francisco, Cal., Larry Fites, Mgr.-Dir.

*AUTOMOTIVE COUNCIL, 1518 Olive Lane, La Canada, Cal., P. H. Ducker.

MOTOR TRUCK ASSN. OF SOUTHERN CALIFORNIA (1935), 3301 S. Grand Ave., Los Angeles 7, Cal. Wade Sherrard, Gen. Mgr.

COLORADO MOTOR CARRIERS ASSN. (1939), 407 Denham Building, Denver 2, Col. Ed L. Reilley, Exec. Secy.-Treas.

MOTOR TRANSPORT ASSN. OF CONNECTICUT, INC. (1930), 410 Asylum Street, Hartford 3, Conn., John F. Maerz, Exec. Vice-Pres.

DELAWARE MOTOR TRUCK ASSN. (1939), Keith Building, Dover, Del., Ernest V. Keith, Gen. Mgr.

DISTRICT OF COLUMBIA TRUCKING ASSN., INC. (1934), 1424 16th St., N.W., Washington 6, D. C., John R. Scott, Exec. Secy.

FLORIDA TRUCKING ASSN., INC. (1934), 218 W. Church St., P. O. Box 238, Jacksonville, Fla., C. A. Gertner, Exec. Secy.

GEORGIA MOTOR TRUCKING ASSN., INC. (1934), 328 Ponce De Leon Ave., N.E., Atlanta, Ga, B. B. Boggs, Jr., Exec. V. P.

IDAHO MOTOR TRANSPORT ASSN. (1939), 909 Jefferson St., P. O. Box 834, Boise, Idaho, Kenneth Hatzler, Secy. Mgr.

CENTRAL MOTOR FREIGHT ASSN. (1930), 316 East Ohio St., Chicago, Ill., William Noorlag, Gen. Mgr.

ILLINOIS MOTOR TRUCK OPERATORS ASSN., INC. (1924), 10 S. LaSalle St., Chicago, Ill., Walter McCarren, Gen. Mgr.

INDIANA MOTOR TRUCK ASSN., INC. (1932), 701-03 Roosevelt Bldg., 9 N. Illinois St., Indianapolis 4, Ind., James Nicholas, Exec. Secy.

*PRIVATE TRUCK OWNERS OF INDIANA, INC., 1127 Central Ave., Indianapolis 2, Ind., C. W. Abraham, Sec.

IOWA MOTOR TRUCK ASSN., INC. (1943), 310 Central National Bldg., Des Moines, Iowa, LeRoy Crowley, Secy.-Mgr.

KANSAS MOTOR CARRIERS ASSN., INC. (1936), VFW Bldg., 214 E. Sixth St., Box 275, Topeka, Kans., T. R. Halladay, Secy.-Mgr.

KENTUCKY MOTOR TRANSPORT ASSN., (1924), 601-01 Republic Bldg., Louisville 2, Ky., Lew Ullrich, Managing Director.
LOUISIANA MOTOR TRANSPORT ASSN., INC. (1939), 1216 Main St., P. O. Box 1326. Baton Rouge, La., James P. Babington, Secy.-Mgr.
MAINE TRUCK OWNERS ASSN. (1946), Rm. 313, 415 Congress St., Portland, Me., William P. Shapleigh, Exec. Secy.
MARYLAND MOTOR TRUCK ASSN., INC. (1935), 1103 Cloverdale Rd., Baltimore, Md., Thomas E. Widerman, Gen. Mgr.
MASSACHUSETTS MOTOR TRUCK ASSN., INC. (1919), 262 Washington St., Boston 3, Mass., Myles Illingworth, Mgr.
MICHIGAN TRUCKING ASSN. (1934), 220 Fort Shelby Hotel, Detroit 26, Mich., Earl F. Winters, Man. Dir.
MINNESOTA MOTOR TRANSPORT ASSN. (1932), 2453 University Ave., St. Paul, Minn., Lou Hosking, Gen. Mgr.
MISSISSIPPI TRANSPORT ASSN., INC. (1943), 504 Deposit Guaranty Bank Bldg., Jackson 104, Miss., C. R. Bradley, Mgr.
MISSOURI BUS & TRUCK ASSN. (1937), 628 Jefferson St., Jefferson City, Mo., U. G. Lewellen, Secy.
MONTANA MOTOR TRANSPORT ASSN. (1938), 124 N. 24th St., P. O. Box 1244, Billings, Mont., Leonard W. Eckel, Secy. Mgr.
NEBRASKA MOTOR CARRIERS ASSN., INC. (1924), 1318 "J" Street, Lincoln, Neb., Paul Halpine, Secy.
NEVADA MOTOR TRANSPORT ASSN. (1939), 210 West 2nd St., P. O. Box 2168, Reno, Nev., Robert Guinn, Secy.-Mgr.
NEW HAMPSHIRE TRUCK OWNERS ASSN., INC. (1936), 275 Hanover St., Manchester, N. H., A. J. Staby, Secy. Mgr.
NEW JERSEY MOTOR TRUCK ASSN. (1915), 10 Hill St., Newark 2, N. J., D. J. Crecca, Mgr.
NEW MEXICO MOTOR CARRIERS ASSN. (1938), P. O. Box 1126, Albuquerque, N. M., Charles H. Washam, Mgr.
EMPIRE STATE HIGHWAY TRANSPORTATION ASSN., INC., 44 E. 23rd St., New York, N. Y., Joseph Adelizzi, Mgr.-Dir.
NORTH CAROLINA MOTOR CARRIERS ASSN. (1929), 712-15 Lawyers Bldg., Raleigh, N. C., J. T. Outlaw, Secy.
NORTH DAKOTA MOTOR CARRIERS ASSN., INC. (1935), 314½ Main St., Bismarck, N. D., Allan M. Shirley, Secy. Mgr.
OHIO TRUCKING ASSN., INC. (1918), 50 W. Broad St., Columbus, Ohio, Perry T. Ford, Exec. Dir.
ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), P. O. Box 983, 236 Oklahoma Natural Bldg., Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.
OREGON TRUCKING ASSOCIATION (1939), Weatherly Building, Portland 14, Ore., Robert R. Knipe, Mgr.
PENNSYLVANIA MOTOR TRUCK ASSN. (1928), 7th Floor, Telegraph Bldg., Harrisburg, Pa., Edward Gogolin, Gen. Mgr.
RHODE ISLAND TRUCK OWNERS ASSN. (1931), 417 Weybosset St., Providence 3, R. I., Mrs. L. M. Daly, Secy.
MOTOR TRANSPORTATION ASSN. OF SOUTH CAROLINA, INC. (1933), 2425 Devine St., Columbia, S. C., William B. Love, Jr., Gen. Mgr.
ASSOCIATED MOTOR CARRIERS, INC., OF SOUTH DAKOTA (1937), P. O. Box 496, Sioux Falls, S. D., R. G. Williams, Gen. Mgr.
TENNESSEE MOTOR TRANSPORT ASSN., INC. (1934), Hermitage Hotel Office Bldg., Nashville 3, Tenn., R. Stanley Owens, Mgr.
*PRIVATE TRUCK OWNERS ASSN. OF TEXAS, INC., P. O. Box 1091, Littlefield Bldg., Austin, Tex., Carl C. Hardin, Exec. Sec.
TEXAS MOTOR TRANSPORTATION ASSN., INC. (1932), 101½ E. 10th St., P. O. Box 92, Austin 1, Tex., James E. Taylor, Exec. Dir. (Also buses.)
UTAH MOTOR TRANSPORT ASSN., INC. (1932), 68 W. 4th St., P. O. Box 686, Salt Lake City 4, Utah, L. Darrel Welling, Secy. Mgr.
VERMONT TRUCK & BUS ASSOCIATION, INC. (1934), 26 Park Street, St. Barre, Vt., M. B. Emerson, V. P.
VIRGINIA HIGHWAY USERS ASSN., INC. (1931), Box 1397, Jefferson Hotel, Richmond 11, Va., E. H. Williams, Jr., Exec. Dir.
WASHINGTON MOTOR TRANSPORT ASSN., INC. (1923), 646 Holgate St., Seattle, Wash., Wm. Hicks, Mgr. Dir.
WEST VIRGINIA MOTOR TRUCK ASSN., INC. (1936), 303 Duffy St., P. O. Box 5217, Charleston, W. Va., Emmett J. Bush, Mgr. Dir.
WISCONSIN MOTOR CARRIERS ASSN. (1931), One W. Main St., Madison, Wis., John P. Varda, Gen. Mgr.
WYOMING TRUCKING ASSN. (1940), 628 West Yellowstone, Casper, Wyo., Fred E. Woodring, Secy. Mgr.

* Affiliated with National Council of Private Motor Truck Owners, Inc.

STATE AND SECTIONAL BUS ASSOCIATIONS

(Arranged by State Location)

ALABAMA BUS ASSN., 504 N. Court St., Montgomery, Ala., Luther Vines, Sec.
*ARKANSAS BUS AND TRUCK ASSN. (See State Motor Truck Assns.)
MOTOR CARRIERS ASSN. OF CALIFORNIA (1915), 918 Kohl Bldg., San Francisco 4, Cal., Arthur H. Samish, Sec.-Mgr.
CONNECTICUT MOTOR STAGE ASSN., INC. (1922), 193 Grand St., Waterbury, Conn., Frank T. Healey, Sec.
SOUTHEASTERN BUS TRAFFIC ASSN., INC. (1943), 6 N. Rhodes Center, N.W., Atlanta, Ga., M. E. Wood, Sec.-Mgr.
*ILLINOIS BUS ASSN. (1925), 523 E. Capitol Ave., Springfield, Ill., Miss Altoe Nelson, Exec-Sec.
INDIANA BUS ASSN., INC. (1935), 218 Bankers Trust Bldg., Indianapolis 4, Ind., Harry J. Harman, Sec.
KENTUCKY PASSENGER BUS ASSN. (1937), 801 No. Limestone St., Lexington 15, Ky., W. E. Jones, Sec.-Treas.
NEW ENGLAND BUS ASSN., 32 Miller Ave., Providence 5, R. I., Leon A. Penoyer, Exec. Sec.
NEW ENGLAND TRANSIT CLUB, 10 High St., Boston, Mass., H. Raymond Benson, Sec.
MARYLAND MOTOR BUS OPERATORS ASSN., INC., 55 E. Washington St., Hagerstown, Md., F. D. Spofford, Sec.
*MICHIGAN MOTOR BUS ASSN. (1921), 404 Hollister Bldg., Lansing. Mich., Robert Reakes, Pres.
*NEW JERSEY MOTOR BUS ASSN., INC. (1935), 921 Bergen Ave., Jersey City, N. J., Nathaniel L. Fish, Sec.-Treas.
*INTERCITY BUS TRAFFIC ASSN. OF NEW YORK STATE, INC. (1938), 1522 National Savings Bank Bldg., Albany 7, N. Y., Mildred Kling, Sec.
NEW YORK STATE MOTOR BUS ASSN., INC. (1934), D. & H. Bldg., 19-20 Plaza, Albany 7, N. Y., Col. B. T. Fay, Exec. V. P. & Sec.
*OHIO MOTOR BUS ASSN. (1922), 209 S. 3rd St., Columbus 15, Ohio, R. J. Lewis, Sec.-Treas.
NORTHEASTERN BUS TRAFFIC ASSN., 2341 Carnegie Ave., Cleveland 15, Ohio, R. H. Frese, Sec.
ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), 236 Oklahoma Natural Bldg., P. O. Box 983, Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.
*OREGON BUS ASSN., (1933), 509 S.W. Taylor St., Portland 4, Ore., R. K. Reed, Sec.-Treas.
*PENNSYLVANIA BUS ASSN. (1923), Telegraph Bldg., Locust & Court Sts., Harrisburg, Pa., Jennie B. Brugnoni, Exec. Sec.
*TEXAS MOTOR BUS ASSN., INC. 211 W. 14th St., Austin, Tex., J. Manley Head, Sec.-Mgr.
TRI-STATE MAINTENANCE ASSN., c/o Southern Pennsylvania Bus Co., Chester, Pa., William H. Powelson, Sec.-Treas.
*VIRGINIA PASSENGER BUS ASSN., Box 7236, Richmond, Va., Harris Mitchell, Exec.-Sec.
*MOTOR COACH ASSN. OF WASHINGTON (1920), 211 Capitol Park Bldg., Olympia, Wash., H. F. Josefsky, Sec.-Mgr.
*WEST VIRGINIA BUS ASSN. (1924), P. O. Box 1267, Charleston 25, W. Va., M. S. Aldrich, Mgr. Dir.

*Affiliated with National Association of Motor Bus Operators.

LOCAL FLEET ASSOCIATIONS

Interim Committee (for coordination of organizations) Thomas J. Berk, Chairman, 1 Madison Ave., New York 10, N. Y.

SOCIETY OF FLEET SUPERVISORS OF GREATER MIAMI, c/o Cheely Lumber Co., 3165 N.W. 31st St., Miami, Fla., Gillum C. Davis, Vice Pres.
FLEET SUPERVISORS ASSN. (1951), 6 Louise Place, N.W., Atlanta, Ga., C. E. Steed, Pres.
MICHIGAN FLEET SUPERVISORS ASSN., 2627 Cadillac Tower Bldg., Detroit, Mich., Elmer Reeves, Sec.
MIDWEST FLEET SAFETY SUPERVISORS ASSN., 2417 University Ave., Saint Paul, Minn., P. J. Kuffner, Sec.-Treas.
ASSOCIATION FLEET MAINTENANCE SUPERVISORS (1948), 31 State Street, Boston 9, Mass., Joseph Coughlin, Sec.
GREATER KANSAS CITY FLEET MAINTENANCE ASSN., P. O. Box 1121, Kansas City, Mo., J. B. Anderson, Sec.
MOTOR TRUCK MAINTENANCE CLUB OF NEW YORK (1925), 220 Watchung Ave., Chatham, N. J., William M. Kissam, V. P.
SOCIETY OF FLEET SUPERVISORS, INC. (OF NEW YORK) (1945), c/o Myer 1890 Bottling Co., 29 Mangin St., New York, N. Y., Seymour Steiner, Sec.
TRUCK AND BUS MAINTENANCE ASSN. OF BUFFALO (1945), 1274 West Ave., Buffalo, N. Y., Martin H. Dorbert, Sec.
OKLAHOMA CITY FLEET SUPERVISORS ROUNDTABLE, 319 Hales Bldg., Oklahoma City 2, Okla., Dan Hollingsworth.
FLEET MAINTENANCE ASSN. OF PHILADELPHIA (1948), 1831 Napfle Ave., Philadelphia 11, Pa., John R. Schaefer, Sec.
NATIONAL ASSN. OF FLEET SUPERVISORS (SPOKANE CHAPTER), c/o McHugo Transfer Co., 111 E. Sprague Ave., Spokane, Jack McHugo, Sec.
NATIONAL ASSN. OF FLEET SUPERVISORS (SEATTLE CHAPTER) (1947), 426 Second & Cherry Bldg., Seattle 4, Wash., Paul Fouts, Pres.
FLEET MAINTENANCE COUNCIL INC. OF AKRON, 395 Baird St., Akron, O., Gene Thursby, Exec. Sec.

STATE HIGHWAY USERS CONFERENCES

ALABAMA: James J. Britton, Exec. Secy., Ala. Petroleum Indus. Comm., 621 Shepherd Bldg., Montgomery.

ARIZONA: E. J. Wyatt, Secy., Arizona Motor Transport Assn., 1633 West Jefferson, Phoenix.

ARKANSAS: James C. Park, Exec. Secy., Arkansas Petroleum Indus. Comm., 615 Rector Bldg., Little Rock.

CALIFORNIA: Alan G. Anderson, Private Truck Owners Bureau, 1625 Russ Bldg., San Francisco 4.

COLORADO: W. P. Scholl, Colorado United, Kittredge Bldg., Denver.

CONNECTICUT: E. Leroy Emanuelson, Exec. Secy., Conn. Petroleum Indus. Comm., 410 Asylum Street, Hartford.

DELAWARE: Ralph Peters, Exec. Secy., Delaware Farm Bureau, 11 North Street, Dover.

FLORIDA: C. A. Gertner, Exec. Secy., c/o Florida Trucking Assn., Inc., 218 West Church Street, P. O. Box 238, Jacksonville.

GEORGIA: Walter McKee, Exec. Secy., Georgia Independent Oil Men's Assn., 346 Altoona Place, S.W., Atlanta.

IDAHO: Ezra M. Hawkes, Idaho Motor Transport Assn., c/o Hawkes Transfer & Storage Co., Pocatello.

ILLINOIS: James C. Gilruth, 30 North LaSalle Street, Chicago 2.

INDIANA: Leland K. Fishback, Secy., Indiana Petroleum Indus. Comm., 509 Circle Tower, Indianapolis 4.

IOWA: James W. Richards Exec. Secy., Iowa Petroleum Indus. Comm., 512 Des Moines Bldg., Des Moines.

KANSAS: Olive R. Lane, Secy., Automobile Club of Kansas, 934 Kansas Avenue, Topeka.

KENTUCKY: Lew Ullrich, Kentucky Motor Transport Assn., Republic Bldg., Louisville.

LOUISIANA: J. R. Major, La. Petroleum Indus. Comm., 404 La. National Bank Bldg., Baton Rouge.

MAINE: Leroy T. Snowdon, Secy., Maine Petroleum Indus. Comm., 283 Water Street, Augusta.

MARYLAND: J. C. Darrell, Gen. Mgr., Automobile Trade Assn. of Maryland, 1010 St. Paul Street, Baltimore 2.

MASSACHUSETTS: Howard B. Driscoll, Exec. Secy., Mass. Petroleum Indus. Comm., 11 Beacon Street, Boston 8.

MICHIGAN: Carl Buchanan, Legis. Representative, Michigan Motor Bus Assn., 511 South Washington Avenue, Lansing 8.

MINNESOTA: H. M. Whisman, Secy., Minn. Petroleum Indus. Comm., 604 Builders Exchange Bldg., Minneapolis 2.

MISSISSIPPI: Walter Dent May, Exec. Secy., Miss. Petroleum Indus. Comm., 1204 Deposit Guaranty Bank Bldg., Jackson.

MISSOURI: D. G. Spencer, Exec. Secy., Missouri Petroleum Indus. Comm., 208 Madison Street, Jefferson City.

MONTANA: John J. Jewell, Montana Automobile Dealers Assn., P. O. Box 916, Helena.

NEBRASKA: Charles Marshall, Nebraska Farm Bureau Federation, 309 Federal Security Bldg., Lincoln.

NEVADA: Robert F. Guinn, Mgr., Nevada Motor Transport Assn., 210 West 2nd Street, Reno.

NEW HAMPSHIRE: A. J. Staby, Secy. Mgr., N. H. Truck Owners Assn., 275 Hanover Street, Manchester.

NEW JERSEY: W. J. Gaffney, Exec. Secy., New Jersey Petroleum Indus. Comm., Trenton Trust Bldg., Trenton.

NEW MEXICO: Joe Evans, Secy. Treasurer, N. M. School Bus Drivers Assn., Portales.

NEW YORK: Charles D. Henderson, Exec. V. P., N. Y. State Automobile Dealers Assn., 190 State Street, Albany.

NORTH CAROLINA: Mrs. Margaret Caldwell, c/o North Carolina State Grange, Box H-1, Greensboro.

NORTH DAKOTA: J. B. Connally, North Dakota Automobile Club, 18—8th Street, South, Fargo.

OHIO: J. Russell Lloyd, Secy., Ohio State Automobile Assn., 50 West Broad Street, Columbus.

OKLAHOMA: Aaron Gritzmaher, Okla. Retail Merchants Assn., 401 Harn Bldg., Oklahoma City.

OREGON: Walter W. R. May, Editor, Oregon Motorist, 1101 S. W. Washington Street, Portland 5.

PENNSYLVANIA: R. B. Maxwell, Mgr., Penna. Motor Federation (AAA), 410 State Street Bldg., Harrisburg.

RHODE ISLAND: Joseph E. Connell, Exec. Secy., R. I. Petroleum Indus. Comm., 17 Exchange Street, Providence 3.

SOUTH CAROLINA W. B. Love, Mgr. Dir., Motor Transportation Assn. of S. C., 1128 Pendleton Street, Columbia.

SOUTH DAKOTA: E. W. Stephens, Secy., S. D. Petroleum Indus. Comm., Hengel Bldg., Pierre.

TENNESSEE: Charles C. Gilbert, Jr., Tenn. Petroleum Indus. Comm., Hermitage Hotel Office Bldg., 228 Capitol Boulevard, Nashville 3.

TEXAS: Carl C. Hardin, Private Truck Owners Assn. of Texas, P. O. Box 1091, Austin.

UTAH: Lyle D. Sarvis, Mgr., Utah State Automobile Assn., 30 East 4th South Street, Salt Lake City.

VERMONT: William L. McKee, Exec. Secy., Vermont Petroleum Indus. Comm., 52 State Street, Montpelier.

VIRGINIA: Walter Chinn, Pres., Virginia Travel Council, Fredericksburg.

WASHINGTON: J. C. Gregory, Automobile Club of Washington, 1109 Pine Street, Seattle 1.

WEST VIRGINIA: Francis C. Farley, Exec. Secy., West Virginia Petroleum Indus. Comm., 709 Atlas Bldg., Charleston 1.

WISCONSIN: Harry Klueter, Exec. Secy., Wisconsin Milk Dealers Assn., 1 West Main Street, Madison 2.

WYOMING: Fred E. Woodring, Secy. Mgr., Wyoming Trucking Assn., 628 West Yellowstone Street, Casper.

SAE LOCAL SECTIONS AND GROUPS

BALTIMORE: Emory B. Kaufman, 7120 Sheffield Rd., Baltimore 12, Md.

BRITISH COLUMBIA: Burdette Trout, Suite 6, 1436 Pendrill St., Vancouver, B. C., Canada.

BUFFALO: Clayton L. Nelson, Chevrolet-Motor Div., G. M. C., Tonawanda Div., P. O. Sta. B, Buffalo 7, N. Y.

CANADIAN: Alex L. Gray, Jr., Gray Forgings & Stampings, Ltd., St. Clarens Ave. & Dupont St., Toronto, Ont., Canada.

CENTRAL ILLINOIS: J. H. Smith, 219 Moss Ave., Peoria 5, Illinois.

CHICAGO: Floyd E. Ertsman, Chicago Section, SAE, 1420 Fisher Bldg., 343 So. Dearborn St., Chicago, Illinois.

CINCINNATI: William Berliner, General Electric Co., Aircraft Gas Turbine Div., Box 196, Lockland 15, Ohio.

CLEVELAND: Mrs. Ethel M. Black, Cleveland Section, SAE, 7016 Euclid Ave., Room 210, Cleveland 3, Ohio.

DAYTON: Earl R. Kunz, R. R. 1, Box 282, Vandalia, Ohio.

DETROIT: Mrs. Sarah J. Duvall, Detroit Section, SAE, 100 Farnsworth Ave., Detroit 2, Illinois.

HAWAII: K. M. Watson, P. O. Box 1873, Honolulu, T. H.

INDIANA: Vernon H. Lewis, R. R. 17, Box 626, Indianapolis 44, Indiana.

KANSAS CITY: Marshall L. Werth, 615 N. 31st St., Kansas City, Kansas.

METROPOLITAN: F. F. Smith, Society of Automotive Engineers, 29 West 39th Street, New York 18, N. Y.

MID-CONTINENT: W. A. Brown, Deep Rock Oil Corp., Box 1031, Cushing, Oklahoma.

MID-MICHIGAN: Robert K. Hirchert, 2565 Thomas St., Flint 4, Michigan.

MILWAUKEE: Igor Kamlukin, 540 W. Dean Rd., Milwaukee 11, Wisconsin.

MONTREAL: B. H. Miller, Imperial Oil, Ltd., P. O. Box 310, Montreal, Que., Canada.

NEW ENGLAND: Lewis W. Kerr, 16 Lowell St., Woburn, Massachusetts.

NORTHERN CALFORNIA: Bruce E. Boswell, 37 Vivian Dr., Concord, California.

NORTHWEST: Allen D. McLean, 3910 S. W. 109th St., Seattle 66, Washington.

OREGON: T. E. Bokemeier, Tractor Training Service, 406 Panama Bldg., Portland 4, Oregon.

PHILADELPHIA J. J. Mikita, E. I. du Pont de Nemours & Co., Inc., P. O. Box 1671, Wilmington, Delaware.

PITTSBURGH: H. O. Creazzi, Gulf Res. & Dev. Co., Box 2038, Pittsburgh 30, Pa.

ST. LOUIS: Harold C. Glidewell, East St. Louis City Lines, 301 Summit Ave., E. St. Louis, Illinois.

SAN DIEGO: P. L. Brady, 4826 55th St., San Diego 15, California.

SOUTHERN CALIFORNIA: Roger M. Mahey, 1657 North Hobart, Los Angeles 27, Calif.

SOUTHERN NEW ENGLAND: Spencer W. Deming, 48 Peach Tree Rd., Glastonbury, Conn.

SPOKANE-INTERMOUNTAIN: Harold A. Halstead, Novelty Carriage Works, Inc., 815 Second Ave., Spokane 4, Washington.

SYRACUSE: Robert S. Root, Lipe-Rollway Corp., 710-840 Emerson Ave., Syracuse 1, N. Y.

TEXAS: Roland W. St. Aubin, 514 Charles Dr., Irving, Texas.

TEXAS GULF COAST: Richard C. Marr, National Lead Co., Baroid Sales Div., P. O. Box 1675, Houston 1, Texas.

TWIN CITY: Leslie W. Foster, Jr., 4701 Central Ave., N. E., Minneapolis, Minn.

VIRGINIA: W. H. Bingham, P. O. Box 5107, Richmond, Virginia.

WASHINGTON: Lewis C. Kibbee, Route 2, Gaithersburg, Maryland.

WESTERN MICHIGAN Harold N. Myers, 1183 Terrace St., Muskegon, Michigan.

WICHITA: W. E. Shelor, 517 W. Madison, Wichita 6, Kansas.

ATLANTA: Ernest D. Troutman, Piston Ring & Parts Co., 381 Spring St., N. W., Atlanta, Georgia.

COLORADO: John N. Gromer, 1658 Kameria St., Denver 7, Colorado.

MOHAWK-HUDSON: 110 Seeley St., Scotia 2, N. Y.

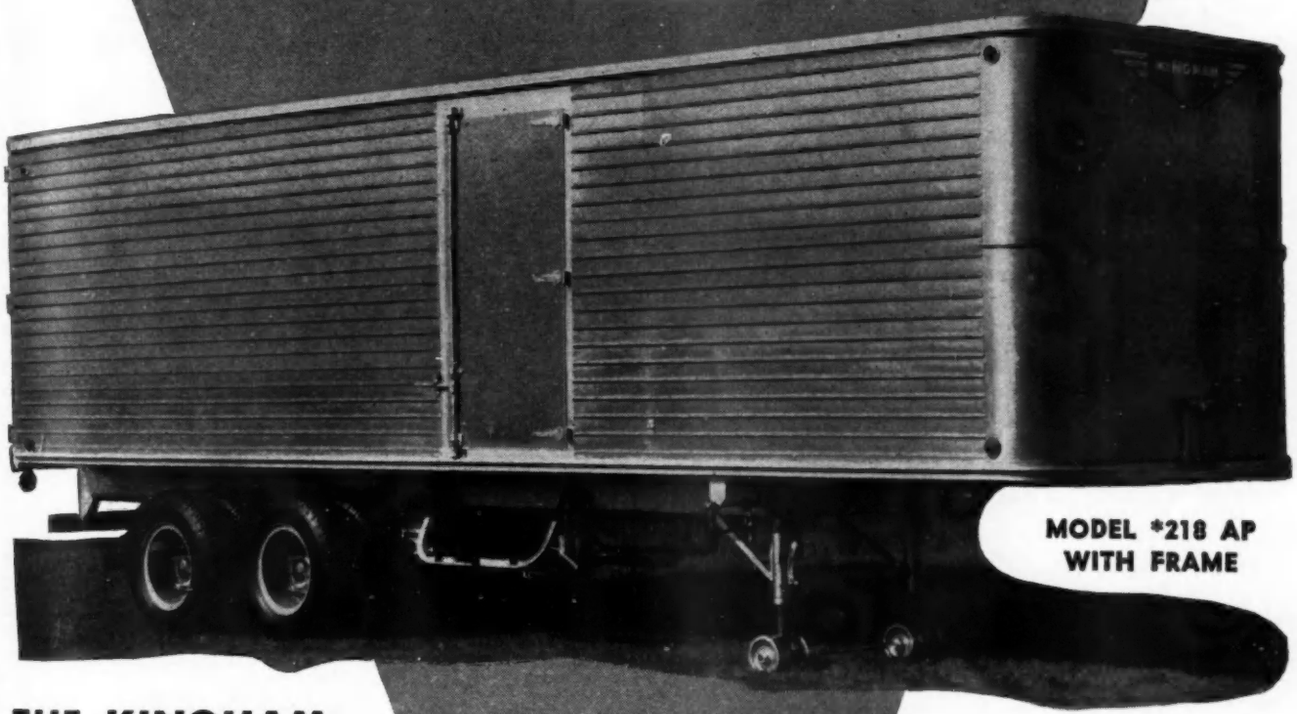
SALT LAKE: Wayne M. Gersen, 536 Columbus St., Salt Lake City, Utah.

WILLIAMSPORT: Allen Weiss, U. S. Dept. of Commerce, Civil Aero. Adm., Box 928, Williamsport, Penna.

THE Kingham UNIVERSAL

SUPERLINER

DRY FREIGHT VAN



MODEL *218 AP WITH FRAME

THE KINGHAM 3-POINT TANDEM

"Easy on the DRAW"

108" "3-Point" Bogey Supports
Tubular Heat Treated Axles
Long Tapered Roller Bearings
Instant Brake Release
No Brake Drag
Individual Axle Alignment to King Pin with adjustable rubber mounted Radius Rods . . .
2 point Lubrication

See it
Try it
BUY IT!

Get all These Features in a KINGHAM

With or without Frame
Uni-Weld Tubular Framing . . .
Smooth or Corrugated Kingham Hard Top Roof and Rub Rail
Pressed Steel Cross Sills on 18" centers . . . I CC Bumper
Pressure type Locks . . .
Steel strap Hinges
Lite-Ray Window in nose

*Model 218 FAP without Frame

A load behind is a trip ahead

NATIONAL SALES • NATIONAL SERVICE

KINGHAM TRAILER COMPANY, INC. LOUISVILLE 10, KY.

BRUSHES, Gen., Etc.—*continued*

Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Machine Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco." (Generator and starter.)
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio.
P. & D. Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y. (Generator and starter.)
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Generator and starter; sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill. (Starter and generator.)
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y. (Generator and starter.)
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., Tannery St., St. Marys, Pa.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak," "Standard." (Generator and starter.)
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. (Generator and starter.)

BRUSHES, WASHING, See Washers, Fountain Brushes and Mops.

BUFFERS, Portable (Electric)

Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Admiral," "Metalmaster."
Buckeye Tools Corp., 28 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tools Co., 6 E. 44th St., New York 17, N. Y. "CP." (Pneumatic.)
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Mattison Machine Works, 565 Blackhawk Park Ave., Rockford, Ill (Abrasive, belt.)
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Thor Power Tool Co., 175 State St., Aurora, Ill.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

BUFFERS, Tire (Electric)

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa. "Blue Streak."
Kehowke Mfg. Co., 718 S. Elliot St., Muncie, Ind. "Tru-Arc."
Reuland Electric Co., 3001 W. Mission Rd., Alhambra, Calif.
Super Mold Corp. of Calif., 420 N. Sacramento St., Lodi 2, Calif.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif. "AutoStart."

BULBS, See Lamps, Bulbs, Miniature, Incandescent

BUMPERS

Bath Co., Cyril, Metal Form Div., 32280 Aurora Rd., Solon, Ohio Cleveland 3, Ohio.
Central Motors Co., 906 Austin Ave., Waco, Tex. "General Purpose." (Rear, for Dodge trucks.)
Electric Auto-Lite Co., Sharonville, Ohio.
Houdaille-Hershey Corp., Chicago Dive., 1455 W. 38th St., Chicago 9, Ill.
Houdaille-Hershey Corp., Detroit Div., 2660 E. Grand Blvd., Detroit 11, Mich.
Houdaille-Hershey Corp., Huntington Div., 900 Ninth Ave., W., Huntington, W. Va.
Hutchinson Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit." (Rear, for light trucks.)
Michigan Bumper Corp., 740 Ann St., Grand Rapids, Mich.
Nash Bros. Co., 2125 Dewey Ave., Evanston, Ill "Body-Gard." (Steel for trucks and buses.)
Parish Pressed Steel Co., Robeson & Weiser Sts., Reading. Pa.
Standard Steel Spring Co., Coraopolis, Pa. (Also trailer.)
United States Spring & Bumper Co., 4951 Alcoa Ave., Los Angeles 58, Calif.

BUSES

ACF-Brill Motors Co., 62nd St. & Woodland Ave., Philadelphia 42, Pa. (Also trolley coaches.)
Available Truck Co., 2501 Elston Ave., Chicago, Ill. (Gasoline or Diesel.)
Beaver Metropolitan Coaches, Inc., 24th St. Ext., Beaver Falls, Pa.
Beck & Co., C. D., Sidney, Ohio.
Biederman Motors Corp., 2131 Spring Grove Ave., Cincinnati 14, Ohio.
Chevrolet Motor Div. of General Motors Corp., General Motors Corp., Detroit 2, Mich.
Corbitt Co., Henderson, N. C.
Crown Body Coach Corp., 2500 E. 12 St., Los Angeles 21, Calif. (Gasoline.)
Dodge Div. Chrysler Corp., 7900 Joseph Campau Ave., Detroit 31, Mich. (School.)
Federal Motor Truck Div. Federal Fawick Corp., 5780 Federal Ave., Detroit 9, Mich.
Fitzjohn Coach Co., Muskegon, Mich.
Flxible Co., 326 N. Water St., Loudonville, Ohio.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich. "Yellow Coach."
Hahn Motors, Inc., 400 S. Third St., Hamburg, Pa.
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill. (School.)
Kenworth Motor Truck Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y. (Gasoline and Diesel.)
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind. (Trolley coaches.)
Reo Motors, Inc., 1331 S. Washington St., Lansing, Mich. (Gasoline and diesel.)
St. Louis Car Co., 8000 N. Broadway, St. Louis 15, Mo.
Southern Coach Mfg. Co., Evergreen, Ala.
Studebaker Corp., 635 S. Main St., South Bend 27, Ind. (Chassis only.)
Superior Coach Corp., E. Kibby St. & D. T. & I. R. R., Lima, Ohio. (School & passenger.)
Transit Bus Div. Checker Cab Mfg. Corp., 2016 N. Pitcher St., Kalamazoo, Mich.
Twin Coach Co., 850 W. Main St., Kent, Ohio. (Propane, gasoline, Diesel and LP Gas buses, also electric trolley buses.)
White Motor Co., 1455 E. 185th St., Cleveland 10, Ohio.

BUSHINGS, See also Bearings and Bushings

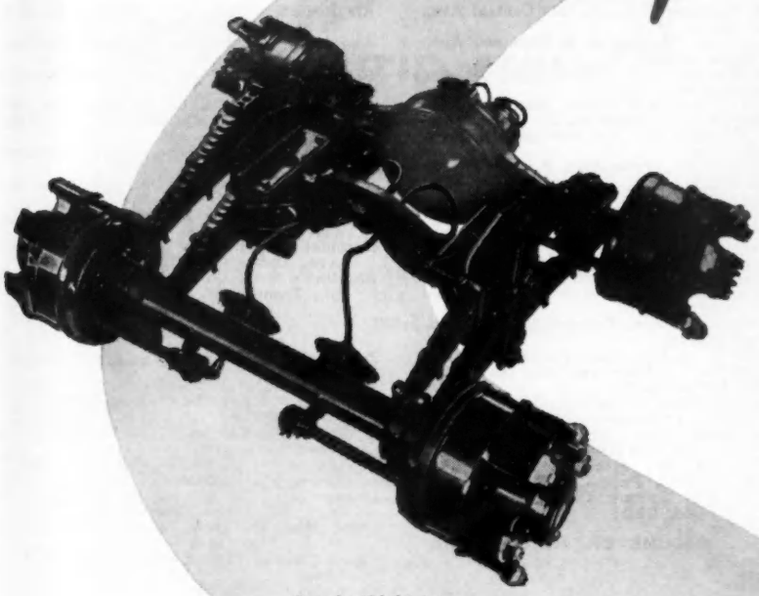
BUSHINGS, Bronze

American Motor Products Co., Fond du Lac, Wis. "Ampco."
American Non-Gran Bronze Co., Lancaster Ave., Berwyn, Pa.
Ampco Metal, Inc., 1737 S. 38th St., Milwaukee 46, Wis. (Also aluminum bronze.)
Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Automotive Research & Mfg. Co., 88-05 76th Ave., Glendale 27, N. Y.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco." (For starters and generators.)
Bearium Metals Corp., 268 State St., Rochester 14, N. Y.
Beckett Bronze Co., 20th & S. Walnut Sts., Muncie, Ind.
Buckeye Brass & Mfg. Co., 6410 Hawthorne Ave., Cleveland, Ohio.
Bunting Brass & Bronze Co., 715 Spencer St., Toledo 9, Ohio.
Burlington Brass Works, Burlington, Wis.
Cannon Oiler Mfg. Co., Keithsburg, Ill. (Special.)
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St Clair Ave., Cleveland 10, Ohio. (Sole distributor to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Dayton Bronze Bearing Co., 303 Keowee St., Dayton, Ohio.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Generator, starter and distributor.)
Federal-Mogul Corp., 11031 Shoemaker Rd., Detroit 13, Mich.
Grand Haven Brass Foundry, 230 N. Hopkins St., Grand Haven, Mich.
Guaranteed Parts Co., Seneca Falls, N. Y. (For generators and starters.)
Hewitt Metals Corp., 12th St. at Stanley Ave., Detroit, Mich.
Kendrick Mfg. Co., 2705 Wight St., Detroit, Mich.
Johnson Bronze Co., 510 S. Mill St., New Castle, Pa.
Keystone Carbon Co., 1935 State St., St. Marys, Pa. "Selflube."
Markey Bronze Bushing Co., Delta, Ohio.
Moccasin Bushing Co., Chestnut & 20th Sts., Chattanooga, Tenn.
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Durex," "Moraine."
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich. "Streamline."
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y. (Connecting rod and piston pin.)
Pittsburgh Brass Mfg. Co., 3155 Penn Ave., Pittsburgh 1, Pa.
Randall Graphite Bearings, Inc., Greenlaum & Lake Sts., Lima, Ohio.
Shenango-Penn Mold Co., Dover, Ohio.
Standard Brass Works, 1810 W. St. Paul Ave., Milwaukee, Wis.
Superior Brass Works, 312 S. Crawford St., Detroit 17, Mich.
True Alloys, Inc., 284 S. Summit St., Detroit 9, Mich.
United American Metals Corp., 193 Diamond St., Brooklyn 22, N. Y. "Autocrat," "Centrificast," "XX Autocrat."
Wagner Mfg. Co., E. R., 4611 N. 32nd St., Milwaukee 16, Wis.
Wakefield Bearing Corp., 29 Foundry St., Wakefield, Mass. "Coprex."

BUSHINGS, Rubber

Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio. "Steelastic."
Atlantic India Rubber Works, Inc., 571 W. Polk St., Chicago 7, Ill.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bushings, Inc., 4358 Coolidge Highway, Royal Oak, Mich. "Rubberflex."
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributor to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Doan Mfg. Corp., 1761 London Road, Cleveland 12, Ohio. "Armor-Flex."
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goshen Rubber Co., 609 E. Iowa St., Goshen, Ind.
Harris Products Co., 1929 E. 61st St., Cleveland 3, Ohio. "Silentbloc" and "Tarflex."
Hewitt Rubber Div., Hewitt-Robins, Inc., 240 Kensington Ave., Buffalo 5, N. Y.
Kuehn Co., N. L., 407 W. Highland Ave., Milwaukee 3, Wis.
Lord Mfg. Co., 1635 W. 12th St., Erie, Pa. (Bonded to metal.)
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Roberts Toledo Rubber Co., Prospect & MC R.R. Toledo 6, Ohio.
Rodic Chemical & Rubber Corp., Allen Ave, New Brunswick, N. J.
Santay Corp., 351 N. Crawford Ave., Chicago 24, Ill. "Shock-Proof."
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

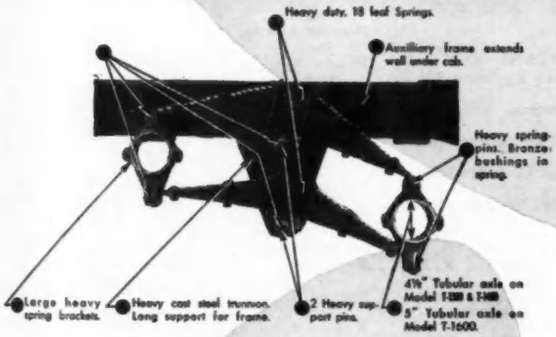
The GRICO *Super-flex*



The SIMPLICITY OF CONSTRUCTION and the effectiveness of operation make the Super Flex 3rd Axle TOPS in the trucking field from the standpoint of low cost maintenance and efficiency. The GRICO Super-Flex can be transferred easily from one vehicle to another as a truck wears out or becomes obsolete.

Your trucks may be doing a good job now, but watch your profits soar once you have equipped them with Super-Flex 3rd Axles. We say this because we have hundreds of letters from truck and fleet owners telling us that the GRICO Super-Flex has meant better and more economical service through . . . more maneuverability . . . greater fuel savings . . . better weight distribution . . . added payload . . . longer tire wear . . . increased safety . . . and low maintenance.

Your GRICO Super-Flex 3rd Axles are scientifically engineered and ruggedly built to give you long years of economical, trouble-free service. Just check the advantages of the Super-Flex and you'll agree that it's the only trailing axle for your trucks. Look to Grico for the advanced in engineering and feel confident that with the Grico Super-Flex you'll be on the road to higher profits with the finest unit of its kind in the world.



Easily Changed

If the nature of your trucking changes, Super-Flex can be transformed into a Grico 2-Axle Drive at a very nominal cost and a minimum of lost time.

GRICO *Dual Axle* UNIT

Convert your present single-axle trailer to a dual-axle job. Haul the maximum pay-load and cash in on advantages never before obtainable. LOW MAINTENANCE . . . LIGHT-WEIGHT CONSTRUCTION, YET DURABLE . . . LONGER TIRE WEAR . . . PERFECTLY CONTROLLED BRAKE TORQUE WHICH ELIMINATES CHATTERING. Yes, truly this Dual-Axle Unit will increase your profits and assure longer, more satisfying service.

Get your Dual-Axle by Grico now. It's easily and quickly done and will permit you to haul the maximum load with long trouble free operation.

FOR ADDITIONAL INFORMATION AND PRICES, WRITE

GRICO TWO AXLE DRIVE COMPANY 19840 W. EIGHT MILE ROAD DETROIT 19, MICHIGAN

BUSHINGS, Steel

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Bard Mfg. Co., Royersford, Pa.
Boston Gear Works, Div. Murray Corp., 14 Hayward St., Quincy 71, Mass.
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog."
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Marquette Metal Products Co., 1145 Galewood Drive, Cleveland 10, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Wagner Mfg. Co., E. R., 4611 N. 32nd St., Milwaukee 16, Wis.
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.

BUTANE, See Fuels, Engine

CABINETS, Accessories and Parts

Angle Steel Stool Co., 56 Oak St., Plainwell, Mich.
Aurora Equipment Co., Prairie St. at Cleveland Ave., Aurora, Ill. "Equipto."
Bay Products, Inc., 3001 N. 16th St., Philadelphia 2, Pa.
Berger Mfg. Div. Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Franklin Co., Bernard, Hedley & Bath Sts., Philadelphia 37, Pa.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "FGM."
Gilbert & Barker Mfg. Co., Springfield, Mass. "Calco-Meter," "Gilbarco."
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.

CABLE, Brake Control (With Conduit)

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built." (Emergency.)
American Chain & Cable Co., Automotive & Aircraft Div., 601 Stephenson Bldg., Detroit 2, Mich. "Tru-Lay." (Using "Tru-Loc" fittings.)
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Eis Automotive Corp., Middletown, Conn.
Gwilliam Co., 360 Furman St., Brooklyn 2, N. Y. "Rowden."
Midland Steel Products Co., Power Brake Div., 3641 E. Milwaukee Ave., Detroit 11, Mich.
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y.

CABLE, Ignition, Starting and Lighting

(In bulk, length on spools, rolls, etc.)

American Electric Cable Co., 181 Appleton St., Holyoke, Mass. "Lusterlac."
Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Champion Cable Co., 1805 E. 40 St., Cleveland 3, Ohio.
Crescent Co., Pawtucket, R. I. "Wiry Joe."
Electric Auto-Lite Co., Wire & Cable Div., 3529 24th St., Port Huron, Mich. "Auto-Lite."
Electric Auto-Lite Co., Wire & Cable Div., Hazleton, Pa.
Essex Wire Corp., 1601 Wall St., Fort Wayne, Ind. "SX."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Cable Corp., 420 Lexington Ave., New York 17, N. Y.
General Electric Co., Const. Material Dept., 1285 Boston Ave., Bridgeport 2, Conn. (Ignition.)
Jordan Electrical Mfg. Co., 222 N. 2 St., Minneapolis 1, Minn.
Lenhart Mfg. Co., Hamburg, Pa.
Monarch Insulated Wire Co., 178 Central Ave., Hackensack, N. J.
Ohio Parts Co., Theresa St. & Chonteau Ave., St. Louis 3, Mo.
Packard Electric Div., General Motors Corp., Warren, Ohio.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Realflex Products Co., 335 38th St., Brooklyn 32, N. Y.
Royal Electric Co., Pawtucket, R. I.
Sorenson Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak," "Standard."
Thompson-Neaylon Mfg. Co., 3545 S. Morgan St., Chicago 9, Ill. "T-N."
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "Laytex."
Walker Bros., River & End Sts., Conshohocken, Pa. "Walker of Conshohocken."
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
White, Inc., J. M., 11th & Cambria Sts., Philadelphia 33, Pa.
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio.

CABLES, SPEEDOMETER, See Speedometer Cables

CABLES, Storage Battery

(Complete with terminals)

American Electric Cable Co., 181 Appleton St., Holyoke, Mass. "Lusterlac."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Bowers Battery & Spark Plug Co., Reading, Pa.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Champion Cable Co., 1805 E. 40 St., Cleveland 3, Ohio.
Crescent Co., 20 Central Ave., Pawtucket, R. I. "Wiry Joe."
Electric Auto-Lite Co., Wire & Cable Div., 3529 24th St., Port Huron, Mich. "Auto-Lite."
Electric Auto-Lite Co., Wire & Cable Div., Hazleton, Pa.
Essex Wire Corp., 1601 Wall St., Fort Wayne, Ind. "SX."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Cable Corp., 420 Lexington Ave., New York 17, N. Y.
Gould-National Batteries, Inc., Industrial Div., 467 Calhoun St., Trenton 7, N. J.
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Jordan Electrical Mfg. Co., 222 N. Second St., Minneapolis 1, Minn.
Monarch Insulated Wire Co., 178 Central Ave., Hackensack, N. J.
National Ignition Mfg. Co., 521 W. 23 St., New York 11, N. Y.
Ohio Parts Co., Theresa St. & Chouteau Ave., St. Louis 3, Mo.
Packard Electric Div., General Motors Corp., Warren, Ohio.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Realflex Products Co., 335 38th St., Brooklyn 32, N. Y.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak," "Standard."
Thompson-Neaylon Mfg. Co., 3545 S. Morgan St., Chicago 9, Ill. "T-N."
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "Laytex."
Walker Bros., River & End Sts., Conshohocken, Pa. "Walker of Conshohocken."
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
White, Inc., J. M., 11th & Cambria Sts., Philadelphia 33, Pa.
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio.

CABLES, Welding

(See also Hose, Welding)

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42 St., N. Y. 17, N. Y. "Airco."
American Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio. "Amerclad."
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Crescent Co., 20 Central Ave., Pawtucket, R. I.
General Cable Co., 420 Lexington Ave., New York 17, N. Y.
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio. "Stable-Arc."
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG."
Roebling's Sons Co., John A., 640 S. Broad St., Trenton, N. J.

CABS, Truck Body (Wood and Metal)

Autocar Div. of White Motor Co., Lancaster Ave., Ardmore, Pa. "Driver Cab." (Metal; also sleeper.)
Automotive Industries Corp., Owendale, Mich. (Steel sleeper.)
Brandt, Inc., Charles T., Body Div., 201 N. Haven St., Baltimore 24, Md.
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill. (Metal; also sleeper.)
Couse Mfg., Inc., 300 Passaic St., Newark 4, N. J. (Armored.)
Crown Steel Products Co., Orville, Ohio. Steel.)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Hoosier Bodies, Inc., P. O. Box 277, Richmond, Ind.
McLaughlin Body Co., 2430 Third Ave., Moline, Ill.
Masterbilt—See Orrville Metal Specialty Co.
Montpelier Mfg. Co., Montpelier, Ohio.
Mullins Mfg. Co., 605 S. Ellsworth St., Salem, Ohio. (Steel.)
Orrville Body Co., Orrville, Ohio. (Also sleeper.)
Orrville Metal Specialty Co., S. Elm St. & Penn Ave., Orrville, Ohio. "Masterbilt." (Steel sleeper; sole distributors to replacement trade, Benhoff Body & Equip. Corp., 2339 Scranton Rd., Cleveland 13, Ohio.)
Stoughton Cable & Body Co., 408 E. South St., Stoughton, Wis. (Sleeper.)
Timpte Bros., Inc., E. 40 Ave. & York St., Denver 5, Colo. (Steel sleeper.)
Winter-Weiss Co., 2201 Blake St., Denver 2, Colo. (Steel sleeper.)

CAGES, GUARDS, Tire Inflating, See Guards, Tire Inflating

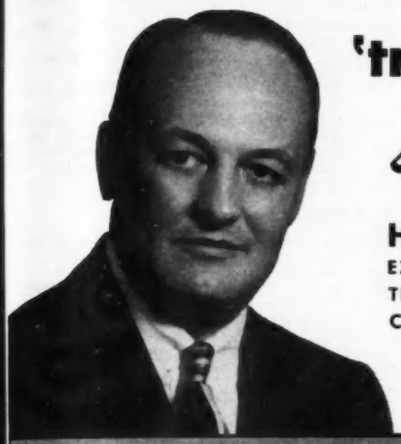
CALIPERS and DIVIDERS

Ames Co., B. C., 12 Ames St., Waltham 54, Mass. (Calipers.)
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Davis Boring Tool Div. of Giddings & Lewis Machine Tool Co., 142 Doty St., Fond du Lac. Wis. (Micrometer calipers.)
Dixon, Inc., William, 32 E. Kinney St., Newark 1, N. J.
DoAll Co., 254 N. Laurel Ave., Des Moines, Iowa.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lufkin Rule Co., Hess Ave., Saginaw, Mich.
Millers Falls Co., Greenfield, Mass.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto." (Dividers.)
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co. of America, 8900 Alpine Ave., Detroit, Mich.
T & H Mfg. Co., 811 E. 31st St., Kansas City 3, Mo. (Calipers.)
Union Tool Co., 48 E. River St., Orange, Mass.
Woodworth Corp., C. B. Greene, N. Y. (Indicating Calipers.) (Inside calipers.)

CANS, Gasoline

Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio, "Brookins."
Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.

"Tachographs improve the efficiency of our operation . . . tell us the complete 'trip story'"



says

H. L. WILLETT, Jr.
EXECUTIVE VICE-PRES.
THE WILLETT CO.
CHICAGO, ILLINOIS

THE Willett COMPANY
HOWARD L. WILLETT, PRESIDENT
700 SOUTH DESPLAINES STREET • CHICAGO 7 ILLINOIS • MONROE 6-1492

October 16, 1952

Wagner Electric Corporation
6400 Plymouth Avenue
St. Louis 14, Missouri

Gentlemen:

We supply many types of vehicles to firms in the Chicago metropolitan area. We have installed Tachographs on 80 units to help us better route trips, control mileage, and check the number of starts and stops.

It has been our experience that Tachographs improve the efficiency of our operation, in fact, they tell us the complete "trip story". Our drivers agree that Tachographs give them a recognized safety control and help them better evaluate their own driving performance.

Tachographs have greatly assisted in keeping loading and unloading time at a minimum because they act as an "absent" supervisor and assure us that our drivers are on the job at all times. For these reasons, we recommend Tachographs to other fleet operators who are interested in improving their respective operations.

Very truly yours,

Howard L. Willett Jr.

THE WILLETT COMPANY
Howard L. Willett, Jr.,
Executive Vice President

Willett Motor Coach Company • Willett Truck Leasing Company • Willett Transports Inc.

The TACHOGRAPH is a recording speedometer that accurately charts and automatically records vital information that you, and your drivers, need for maintaining safe standards of profitable operation.

Each day a chart is placed in the TACHOGRAPH. This chart records when engine is idling, when vehicle is in motion, and when engine is off. It also gives a graphic record of the time of day, speed and total mileage traveled. Red signal light flashes on and warns driver whenever the predetermined set-speed is exceeded.

Here are some of the improved features on the *new* TACHOGRAPH models: Durable aluminum case . . . Illuminated instrument face and clock . . . Million mile odometer . . . Easily set warning light . . . Easy-to-insert chart.

Like H. L. Willett, Jr., of the Willett Co., thousands of cost-conscious operators have found that the TACHOGRAPH lowers costly maintenance and assures safe, profitable hauling. Send coupon below for your free copy of Wagner Bulletin SU-3 . . . it gives full information.

Tachographs are available in two types: M. P. H. and R. P. M.

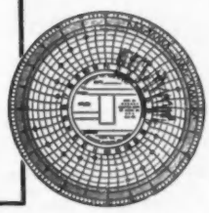


CHART TELLS ALL

- WHEN ENGINE STARTED
- HOW LONG ENGINE IDLED
- WHEN VEHICLE WAS IN MOTION
- HOW FAST IT TRAVELED
- WHEN VEHICLE STOPPED
- DISTANCE TRAVELED BETWEEN STOPS

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Electric Corporation

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Name and Position _____
Company _____
Address _____
City _____ State _____
We operate _____ Vehicles
(NUMBER)

S53-9

CANS, Gasoline—*continued*

Diener Mfg. Co., Geo. W., 400 Monticello Ave., Chicago 24, Ill. "Diener Protection."
Dover Stamping Co., 427 Plymouth Ave., Fall River, Mass.
Eagle Mfg. Co., Wellsburg, W. Va. "Eagle," "Two-In-One."
Huffman Mfg. Co., Automotive Div., P. O. Box 69, Delphos, Ohio.
Justrite Mfg. Co., 2061 N. Southport Ave., Chicago 14, Ill.
Nesco, Inc., 947 W. St. Paul Ave., Milwaukee, Wis.
New Delphos Mfg. Co., 100 S. Pierce St., Delphos, Ohio.
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
United States Steel Products Div. United States Steel Co., 5100 Santa Fe Ave., Los Angeles 58, Calif. "Bayco.'

CANS, Oiling

Balcrank, Inc., Disney St. near Marburg, Cincinnati, Ohio.
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Eagle Mfg. Co., Wellsburg, W. Va.
Gem Mfg. Co., 1229 Goebel St., Pittsburgh 33, Pa.
Grayson Tool Co., 1412 W. Second St., Hastings, Nebr.
Lindseen, Inc., Gustave, 832 S. Central Ave., Chicago, Ill. "G. L.," "Lidseen."
Marvin Mfg. Co., W. B., W. Court St., Urbana, Ohio.
Nesco, Inc., 947 W. St. Paul Ave., Milwaukee, Wis.
Noera Mfg. Co., Div. of Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn.
Ryder Mfg. Co., 220 N. Ada St., Chicago, 7, Ill.
Wall Mfg. Co., P., P. O. Box 71, Grove City, Pa. "Superior."

CANS, Radiator Filling

Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio. "Brookins."
Dover Stamping Co., 427 Plymouth Ave., Fall River, Mass.
Lawson Co., F. H., Evans & Whateley Sts., Cincinnati, Ohio.
Nesco, Inc., 947 W. St. Paul Ave., Milwaukee, Wis.
New Delphos Mfg. Co., 100 S. Pierce St., Delphos, Ohio.
United States Steel Products Div. United States Steel Co., 5100 Santa Fe Ave., Los Angeles 58, Calif. "Boyco."

CANVAS, See Fabric, Coated Cloth, also Covers, Trucks

CAPS, Gasoline Tank (Locking)

American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee."
Badger Tool & Mfg. Co. 1501 W. Polk St., Chicago, Ill.
Berkson Products Inc., 2014 N. Major Ave., Chicago 39, Ill.
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Ivano Inc., 1000 S. Michigan Ave., Chicago 5, Ill.
Knight-Morley Corp., 312 Garfield Bldg., 4612 Woodward Ave., Detroit 1, Mich.
Norlipp Co., 5925 S. Lowe Ave., Chicago 21, Ill.
Quinplex Corp., 429 Fourth Ave., Pittsburgh 19, Pa.
Riley Products Corp., 2749 N. Lincoln Ave., Chicago 14, Ill.
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio.
Snap-Up Gas Cap Co., 2528 Greenup Ave., Ashland, Ky. (Electrically controlled.)
Stant Mfg. Co., 1620 Columbia St., Connersville, Ind. "Dual-Loc," "Evrseal."
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y. "National."
Wise Lock Co., 2730 Grand Ave., S. E., Cleveland 4, Ohio.

CAPS, Tire Valve

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Emvir Mfg. Co., 1705 Lincoln St., Evanston, Ill. "Autocap." (Automatic.)
G. M. Co., Mfg. Inc. 13-08 43rd Ave., Long Island City, L. I., N. Y.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Speaker Corp., J. W., 3059 N. Well St., Milwaukee 12, Wis.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

CARBON MONOXIDE INDICATORS, See Indicators, Corbon Monoxide

CARBON MONOXIDE REMOVING SYSTEMS, See Exhaust Gas Removing Systems

CARBURETORS, Butane, Propane, LPG

American Liquid Gas Corp., 1109 Santa Fe Ave., Los Angeles 21, Calif. "Algas."
Century Gas Equipment Co., 11188 Long Beach Blvd., Lynwood, Calif.
Dix Mfg. Co., 3447 E. Pico Blvd., Los Angeles 23, Calif.
Ensign Carburetor Co., 7010 E. Alameda St., Huntington Park, Calif.
Parkdale Co., 2642 Lacy St., Los Angeles 31, Calif.
J & S Carburetor Co., 2634 N. Beckley St., Dallas 2, Tex.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich.

CARBURETORS, Gasoline

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Stromberg" (Aircraft and automotive for replacement sales.)
Carter Carburetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo. (Automatic and manual choke.)
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Stromberg." (For equipment sales.)
Holley Carburetor Co., 5930 Vancouver Ave., Detroit 4, Mich.
Marvel-Schebler Products Div., Borg-Warner Corp., Decatur, Ill. "Marvel," "Rayfield," "Johnson."
Rochester Products Div., General Motors Corp., 1000 Lexington Ave., Rochester 3, N. Y.
Tillotson Mfg. Co., Toledo, Ohio.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. "Zenith." (Also "Zenith Gov-U-Retor." Combination carturetor and governor.)

CARBURETOR PARTS

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Automotive Research & Mfg. Co., 88-05 76th Ave., Glendale 27, N. Y. "Arm-co."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Stromberg." (For replacement sales.)
Carter Carbuetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo. (Automatic and manual choke.)
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Stromberg." (For equipment sales.)
Holley Cartureto Co., 5930 Vancouver Ave., Detroit 4, Mich.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Marvel-Schebler Products Div., Borg-Warner Corp., Decatur, Ill. "Marvel," "Rayfield," "Schebler," "Johnson."
Octa-Gane. 6051½ W. Las Tunas Drive, San Gabriel, Calif. "Gane." (Needles.)
P & D Mfg. Co., 1902 Steinway St., Long Island City 5, N. Y.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Precision Automotive Components Co., 7263 Lansdowne St., St. Louis 19, Mo. "Pacco."
Rochester Products Div., General Motors Corp., 1000 Lexington Ave., Rochester 3, N. Y.
Simmons Mfg. Co., Ashland, Ohio.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Tillotson Mfg. Co., 761 Berdan St., Toledo 12, Ohio.
Van Bergen & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. "Zenith." (Also "Zenith Gov-U-Retor." Combination carburetor and governor.)

CARRIERS, Storage Battery

Berkson Products, Inc., 2014 N. Major Ave., Chicago 39, Ill.
Bishman Mfg. Co., Osseo, Minn.
Cal-Van Machine Products, Inc., 809 S. Water St. Jackson, Mich.
Central Equipment Co., 1112 S. Wabash Ave., Chicago, Ill. "Economy," "Safety," "Victory."
Champ Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Duro Metal Parts Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Houser Engng. & Mfg. Co., Bluffton, Ind.
Kreger Mfg. Co., L. F., 540 W. 36th St., Chicago 16, Ill. "Safe-Tee Grip."
Loock & Co., R. J., 843 N. Gay St., Baltimore, Md., "Lightnin."
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Murray Corp., Towson 4, Md.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Powercraft Corp., 2515 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave, Chicago, Ill.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Safety Grip Mfg. Co., 620 N. Pine St., Bethlehem, Pa.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y.
Scharton Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco."
Thompson-Neaylon Mfg. Co., 3535 S. Morgan St. Chicago 9, Ill. "T-N."
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Wisconsin Storage Battery Co., 1222-18th St., Racine, Wis. "Wisco."

CARRIERS, Tire

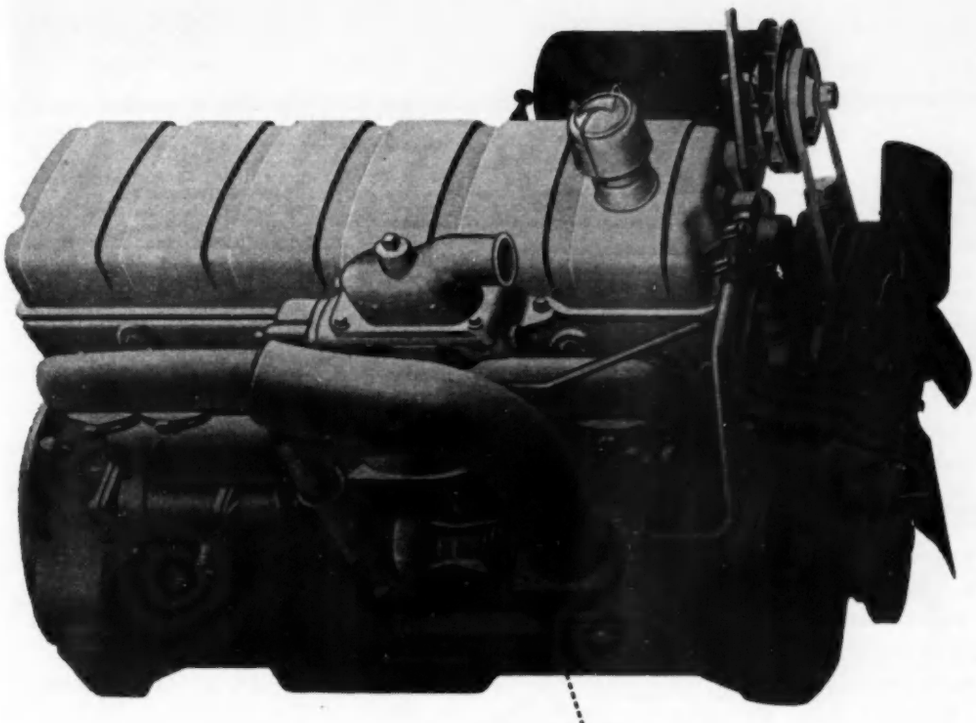
Clark Mfg. Co., Room 303, Lettunich Bldg., Watsonville, Calif. (For trucks, buses and trailers.)
Hutchison Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit." (For trucks.)
Nash Bros. Co., 2125 Dewey Ave., Evanston, Ill. (For trucks and trailers.)
Sudenga Iron Works, George, Iowa. (Side mounted, for pickup trucks.)

CEMENT, Brake Lining

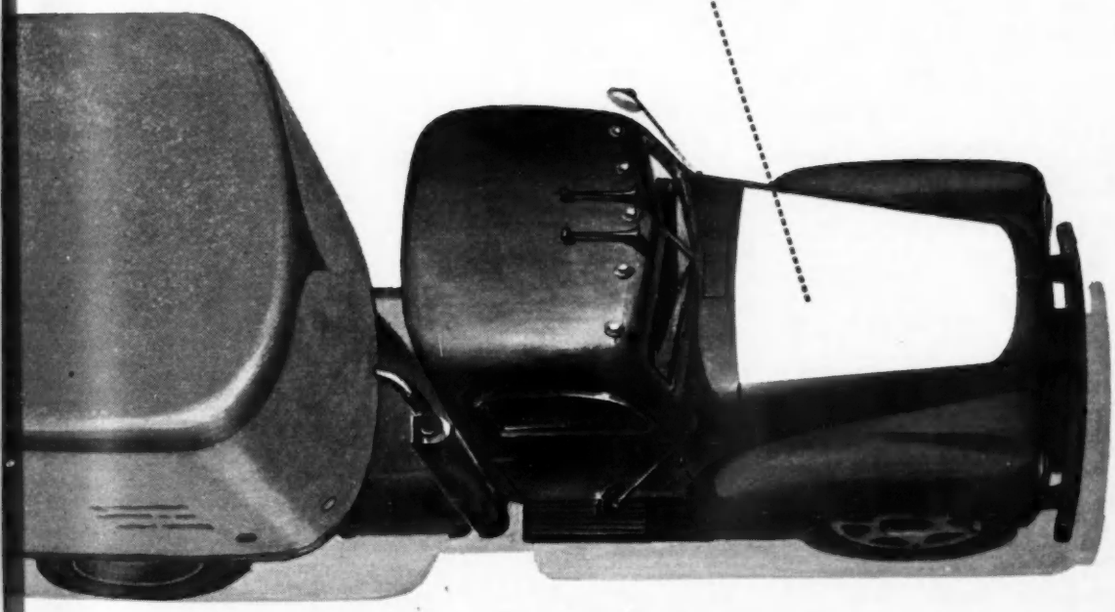
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Ciba Co., 627 Greenwich St., N. Y. 14, N. Y.
Dura-Bond, Inc., 1355 N. Main St., Ann Arbor, Mich.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Permafuse Corp., 12 Commercial Ave., Garden City, N. Y.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford. Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J.

CEMENT, Cast Iron

(For repairing cracks in castings)
All-State Welding Alloys Co., 249-255 Ferris Ave., White Plains, N. Y. "Karseal."
Bell Co., 411 N. Wolcott St., Chicago 22, Ill. "Flare."



performance and economy available to you



It's Cummins new Model JBS-600—ready to serve in the medium heavy-duty trucks produced by leading manufacturers. Ready to bring to this field the performance that has made Cummins the leader among high-output diesels. 150 h.p., the JBS-600 delivers full rated power for faster acceleration . . . for reserve stamina when the going is tough.

JBS-600 operators report more miles per gallon . . . lower fuel costs. This demonstrates the fact that Cummins' exclusive fuel and injection system—together with four-cycle operation and use of inexpensive Number 2 diesel fuel—naturally leads to savings on the job. The JBS-600 is ready to work profitably for you. It's Cummins-engineered for a long and useful life.

For all the facts—see your Cummins dealer!

Cummins® Engine Company, Inc. • Columbus, Indiana

Leaders in rugged, lightweight, high-speed diesel power

CEMENT, Cast Iron—*continued*

Blue Seal Metals Co., Onamia, Minn.
Obermayer Co., S., 2563 W. 18th St., Chicago 8, Ill "Esso."
Sauereisen Cements Co., Sharpsburg Station, Pittsburgh 15, Pa.
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Krak Mend."
Western Kelli-Metal Co., 1140 E. Ellsworth St., Denver 9, Colo. "Kelli-Metal."

CEMENT, GASKET, See Gasket Compounds

CEMENT, Rubber (Liquid)

Baldwin Rubber Co., 366 S. Boulevard, E., Pontiac, Mich.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio. "Welltried."
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Hollingshead Corp., R. M. 840 Cooper St., Camden, N. J.
Las-Stik Mfg. Co., Wayne & B Sts., Hamilton, Ohio.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Porter Mfg. & Supply Co., 2836 Sunset Blvd., Los Angeles 26, Calif. "Gasgacinch." (Synthetic.)
St. Clair Rubber Co., 440 Jefferson Ave., E., Detroit, Mich. "Clair-Bond."
Stay-Tite Products Co., 3107 Detroit Ave., Cleveland, Ohio. "Stay-Tite XXX."
Union Bay State Chemical Co., 491 Main St., Cambridge, Mass. "Baytex."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Van Cleef Bros., Inc., 7800 S. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure Rite."

CHAINS, Timing

Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Morse."
Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis. "Duckworth."
D & B Mfg. Co., 2312 S. Indiana Ave., Chicago 16, Ill.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Link-Belt Co., 307 N. Michigan Ave., Chicago 1, Ill. "Silverstreak."
Morse Chain Co. (Div Borg Warner Corp.), 7601 Central Ave., Detroit 8, Mich. (Sole distributor to replacement trade, Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill.)
Perfection Gear Co., 152nd St. & Pincennes Ave., Harvey, Ill.
Ramsey Chain Co., Troy Rd., Albany, N. Y.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Whitney Chain & Mfg. Co., 237 Hamilton St., Hartford 2, Conn.

CHAINS, Tire

American Chain Div. of American Chain & Cable Co., 454 E. Princess St., York, Pa.
Bridgeport Chain & Mfg. Co., 1201 Crescent Ave., Bridgeport, Conn. "Round."
Campbell Chain Co., York, Pa. "Campbell," "Lug-Reinforced."
Cleveland Chain & Mfg. Co., Broadway & Chaincraft Rd., Cleveland 5, Ohio. "Cleveland-Sterling Wearwell," "Master Grip" & "T-Bar."
Columbus-McKinnon Chain Corp., Tonawanda, N. Y. "Claw."
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Hodell Chain Co., Div. of National Screw & Mfg. Co., 3924 Cooper Ave., Cleveland 3, Ohio.
Lloyd Chain Mfg. Co., Fifth & Market Sts., Marysville, Mo.
McKay Co., 1005 Liberty Ave., Pittsburgh, Pa. "McKay," "Multigrip." (Steel.)
Nixdorf-Krein Mfg. Co., 916 Howard St., St. Louis 6, Mo. "Elephant Brand."
Peerless Chain Co., Front & Walnut Sts., Winona, Minn. "Peerless," "Superior," "Kwick-On." "Gumbo."
Round Chain & Mfg. Co., Chicago 38, Ill. "Round."
Round California Chain Co., So. San Francisco, Calif. "Round."
Round Los Angeles Chain Corp., Los Angeles 54, Calif. "Round."
Round Seattle Chain Corp., 6921 E. Marginal Way, Seattle 8, Wash., and Portland 10, Ore, "Round."
Round Woodhouse Chain & Mfg. Co., Third St., Trenton 7, N. J. "Round."
Russell Mfg. Co. Inc., John M., 900 Rubber Ave., Naugatuck, Conn.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y.
Southern Chain & Mfg. Co., Birmingham 4, Ala. "Round."
Taylor Chain Co., S. G., P. O. Box 509-C, Hammond, Ind. "Taylor-Made," "Tayco."
Turner & Seymour Mfg. Co., 100 Lawton St., Torrington, Conn.
United States Chain Co., 2240 S. Lumber St., Chicago 16, Ill.
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill. "Wesco."

CHAINS, ADJUSTERS, See Adjusters, Tire Chain

CHARGERS, Battery (Service Station)

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. ("Unitron" bulb type; "Allen" rapid type.)
Associated Equipment Corp., 5147 Natural Bridge Ave., St. Louis 15, Mo. "Associated-Hartman." (Rapid and slow types.)
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo. "Handy." (Bulb and rapid types.)
Berg-Gibson Mfg. Co., 817 E. 17 St., Kansas City 8, Mo. "B & G." (Rapid type.)
Blitz Electric Co., 5713 Wentworth Ave., Chicago 21, Ill. (Bulb and rapid types.)
Bogue Electric Mfg. Co., 52 Iowa Ave., Paterson 3, N. J.
Bowser Inc., 1302 E. Creighton Ave., Ft. Wayne 5, Ind. (Rapid type.)
Electric Products Co., 1725 Clarkstone Rd., Cleveland 12, Ohio. (Motor generator type.)
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa. "Exide." (Rapid and slow types.)
Fox Products Co., 4720 N. 18th St., Philadelphia 41, Pa. (Rapid and slow types.)
General Electric Co., Apparatus Sales Div. 1 River Rd., Schenectady 5, N. Y. "Tungar." (Bulb and rapid types.)
Gould-National Batteries, Inc., E-1201 First National Bank Bldg., St. Paul 1, Minn. (Rapid type.)
Grant Storage Battery Co., 226 N. 2 St., Minneapolis Minn. (Rapid type.)
H & H Products Mfg. Co., P. O. Box 2333 Terminal Annex, Los Angeles 54, Calif. (Rapid type.)
Hammett Electric Mfg. Co., 706 E. 18th St., Kansas City 8, Mo. (Rapid type.)
Heyer Industries, Inc., 471 Cortlandt St., Belleville 9, N. J. (Bulb and rapid types.)
Jordan Electric Mfg. Co., 222 N. 2 St., Minneapolis 1, Minn. ("Jordan" bulb type; "Nu-Way" rapid type.)
King Electric Equipment Co., 9115 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa. (Bulb and rapid types.)
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Calif. ("C & C" bulb type; "C & C Charg-A-Lyzer." rapid type.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. (Rapid type.)
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Rapid type.)
Motor Generator Corp., Troy, Ohio. "MCG." (Motor generator type.)
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure."
Put Battery Charger Co., 1149 S. Hampton Rd., Dallas, Texas.
Quick Charge Inc., 170 N. E. 10th St., Oklahoma City, Okla. (Rapid type.)
Rectifier Engrg. Co., 1803 E. 7th St., Los Angeles 21, Calif. "Reco." (Bulb and rapid types.)
Richardson-Allen Corp., 116-15 15th Ave., College Point, L. I., N. Y. (Bulb and rapid types.)
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio. (Bulb type.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill. (Rapid type.)
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill. "Silver Beauti." (Selenium bulb and rapid types.)
Weidenhoff Inc., Joseph, Algona, Iowa. (Rapid type, sole distributors, Bowser, Inc., Fort Wayne 2, Ind.)
Westinghouse Electric Corp., 306 4th Ave., Pittsburgh 30, Pa. (Generator type & "Rectox" copper oxide.)
Willard Storage Battery Co., 246 E. 131st, Cleveland 1, Ohio. (Bulb and rapid types.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. (Bulb and rapid types.)

CHUCKS, Air (Tire Inflating)

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Amseco, Inc., 145 S. Monterey Ave., Villa Park, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Coronet Parts Mfg. Co., 951 Shepard Ave., Brooklyn 8, N. Y.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Druge Bros. Mfg. Co., 888 92nd Ave., Oakland 3, Calif. "Tru-Flate."
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Peters & Russell, Inc., 501 W. Liberty St., Springfield, Ohio. "Par."
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Romort Mfg. Co., Oakfield, Wis.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y. "Dubltite."

CHUCKS, Wheel

Calumet Steel Castings Corp., 1642 Summer St., Hammond, Ind.

CIRCUIT Breakers, See Breakers, Circuit

CLAMPS, Battery Hold Down

Bishman Mfg. Co., Osseo, Minn.
Champ-Items, 6191 Maple Ave., St. Louis 14, Mo.
Cuyahoga Spring Co., 10230 Berea Rd., Cleveland 2, Ohio.
Kreger Mfg. Co., L. F., 540 W. 85th St., Chicago 16, Ill.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Murray Corp., Towson 4, Md.
Safety Grip Mfg. Co., 620 N. Pine St., Bethlehem, Pa.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y.
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco."
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Thompson-Neaylon Mfg. Co., 3545 S. Morgan St., Chicago 9, Ill.
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y. "National."
Whitaker Cable Corp., 1801 Burlington Ave., North Kansas City 16, Mo.

CLAMPS, Brake Cylinder (Hydraulic)

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Curtiss & Smith Mfg. Corp., 125 E. 4th St., Pottstown, Pa. "C S."
Eis Automotive Corp., Middletown, Conn.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Murray Corp., Towson 4, Md.

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CLAMPS, Brake Cyl.—*continued*

National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Rinck-McIlwaine, Inc., 16 Hudson St., New York, N. Y. "Rimac."
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

CLAMPS, Brake Lining

Adjustable Clamp Co., 425 N. Ashland Ave., Chicago 22, Ill. "Pony."
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Cincinnati Tool Co., 1967 Waverly Ave., Cincinnati 12, Ohio. "Hargrave."
Grigg Specialty Tools, 8103 Marbrisa Ave., Huntington Park, Calif.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Shepard-Thomason Co., 2028 W. Gage Ave., Los Angeles 47, Cal. "Thomason."

CLAMPS, Hose

American Stamping Co., 310 E. Burnham St., Battle Creek, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Arsco Mfg. & Sales Co., 451 10th Ave., New York 18, N. Y.
Breeze Corps., Inc., Aircraft Standard Parts Div., 41 S. Sixth St., Newark 7, N. J. "Aero-Seal."
Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y.
Carston Mfg. Co., 46 N. 2nd St., Mt. Vernon, N. Y.
Central Equipment Co., 1112 S. Wabash Ave., Chicago, Ill. "Allsize," "Inner-Seal," "360."
Champ-Items Inc., 6191 Maple Ave., St. Louis 14, Mo.
Clancy, Inc., J. R., 1010 W. Belden Ave., Syracuse, N. Y. "Sure-grip."
Corbin Hose Clamp, Div. American Hardware Corp., New Britain, Conn.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Evertite." (Radiator; "Everhot" heater.)
Garrett Co., George K., D & Tioga Sts., Philadelphia 34, Pa. "Diamond G."
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 11, Ohio.
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Hunt & Son, C. B., 1913 E. Pershing St., Salem, Ohio. "Quick as Wink."
Ideal Corp., 435 Liberty Ave., Brooklyn 1, N. Y. "Ideal," "Snaplock," "Airline," "Wire Seal," "Wraplack."
Ingersoll-Rand Co., 11 Broadway, New York, N. Y.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Marman Products Co., 11214 Exposition Blvd. W., Los Angeles, Calif.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia, Pa.
Murray Corp., Towson 4, Md. "Wire Grip."
Perfect Parts, Inc., 53 Amsterdam Ave., New York, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Stronghold Screw Products, Inc., 203 W. Hubbard St., Chicago 10, Ill.
Tinnerman Products, Inc., 8700 Brookpark Rd., Cleveland, Ohio. "Speed Clamps."
Turner Mfg. Co., 404 W. Superior St., Kokomo, Ind.
United Steel & Wire Co., 27 Fonda Ave., Battle Creek, Mich. "Double-Tite."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wickwire Spencer Steel Div. of Colorado Fuel & Iron Corp., 575 Madison Ave., N. Y. 22, N. Y. (Heater.)
Williams Products Co., H. E., 100 S. Main St., Carthage, Mo.
Wittek Mfg. Co., 4305 W. 24th Place, Chicago 23, Ill. "Noc-Out."

CLEANERS, Air, Carburetor

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Air Cleaner Service Co., 1717 S. Acoma St., Denver 10, Colo. "Cyclone."
Dollinger Corp., 20 Center Pk., Rochester 3, N. Y. "Staynew."
Donaldson Co., 666 Pelham Blvd., St. Paul 4, Minn. "Donaldson Oil Washed."
Electric & Carburetor Engrg. Co., 2321 E. Eighth St., Los Angeles 21, Calif. "Tattersfield."
Fram Corp., East Providence 16, R. I.
Houdaille-Hershey Corp., North Chicago Div., 1900 Foss Park Ave., North Chicago, Ill.
Industrial Wire Cloth Products Corp., Fourth & Brush Sts., Wayne, Mich.
Red Devil Tools, Coit St., Irvington 11, N. J. (Refills.)
United Specialties Co., United Air Cleaner Div., 9705 Cottage Grove Ave., Chicago 28, Ill. (Oil.)
Vortox Co., 121 S. Alexander Ave., Claremont, Cal. (Oil bath.)

CLEANERS, Air (Crankcase Breather)

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Fram Corp., East Providence 16, R. I.
Industrial Wire Cloth Products Corp., Fourth & Brush Sts., Wayne, Mich.

CLEANERS, Carburetor (Chemical)

Commercial Solvents Corp., 260 Madison St., New York 16, N. Y. "Nor'way."
Crystal Soap & Chemical Co., 6300 State Rd., Philadelphia 35, Pa.
Curran Corp., S. Canal St., Lawrence, Mass. "Gunk H-S."
Drew & Co., E. F., Automotive Chemicals Div., 15 E. 26th St., New York, N. Y. "Drew Ameroid."
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Carburex."
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "Cab-66."
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Dip-Zof."
Kelite Products Inc., 1250 N. Main St., Los Angeles, Calif.
Kleer-Flo Co., 250 W. 57th St., New York 19, N. Y.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Pennsylvania Refining Co., Gumout Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Penn Drake."
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y.
Rust Master Chemical Co., 50 Creighton St., Cambridge, Mass. "Carb-Master."
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Solvo."
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
United States Aviex Co., 1350 Maple St., Niles, Ohio.
V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif.

CLEANERS, Chemical—See Solvents, Oil, Carbon & Grease Removing

CLEANERS, COOLING SYSTEM—See Flushers, Radiator and Block (Portable)

CLEANERS. Differential and Transmission—See Flushers, Differential and Transmission

CLEANERS, Driveway & Floor (Cement)

Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "SWG."
Oakite Prolucts, Inc., 19 Rector St., New York 6, N. Y.

CLEANERS, Engine, Chassis and Fender

Aerofil Products Co., Wesley St., South Hackensack, N. J.
Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing, Mich. "Viscucleaner." (Steam.)
Chem-Therm Mfg. Co., Pasadena, Calif.
Circo Equipment Co., 120 Central Ave., Clark Township (Rahway), N. J.
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. "Clayton-Kerrick." (Hot vapor spray; also portable steam.)
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill.
Curran Corp., Lawrence, Mass. (Cylinder head cleaning kits.)
Eclipse Fuel Engineering Co., 1111 Buchanan St., Rockford, Ill. "McKee."
Ewing Mfg. Co., 2545 N. W. Tenth St., Oklahoma City, Okla. (Steam.)
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 11, Ohio.
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny."
Hydro-Air Cleaning Systems Inc., 11311 Miles Ave., Cleveland 5, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago, Ill.
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif. (Steam.)
Livingstone Engineering Co., Worcester, Mass.
Magnus Chemical Co., 185 South Ave., Garwood, N. J. (Steam guns.)
Malsbary Mfg. Co., 845 92nd Ave., Oakland 3, Calif. (Steam.)
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Steam.)
Oakite Products, Inc., 19 Rector St., New York 6, N. Y. (Steam Guns, Sprayers.)
Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer Flo."
Quick Charge, Inc., 1750 N. E. Tenth St., Oklahoma City 4, Okla. "Quick Steam." (Steam.)
Sellers Injector Corp., 1600 Hamilton St., Philadelphia 30, Pa.
Siebring Mfg. Co., 182 Main St., George, Iowa. (Steam.)
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Texas.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
Vapor Car Heating Co., 4501 W. 16th St., Chicago, Ill.

CLEANERS, Hand

Banite Co., Banite Bldg., Buffalo 4, N. Y.

CLEANERS, Metal

(Compound for cleaning and preparing surfaces for painting; see also Solvents, Oil, Carbon and Grease)

Aldridge Chemical Oils, Inc., 3401 W. 140th St., Cleveland 11, Ohio. "Beacon Brand."
American Chemical Paint Co., Brookside Ave. & Reading R. R., Ambler, Pa. "Deoxidine." "Ridoline" & "Ridosol."
Anti-Rust Corp., 315 E. 91st St., New York, N. Y. "Rozene."
Bruce Products Corp., 500 N. West St., Howell, Mich. "Bruko."
Buchanan Chemical Co., C. G., 4640 Baker Rd., Cincinnati 12, Ohio. "Bu-Co."
Calcine Chemical Co., P. O. Box 61, H. C. Station, Jersey City, N. J. "Calsol."
Carbide & Carbon Chemicals Co. (a Div. of Union Carbide & Carbon Corp.), 30 E. 42nd St., New York 17, N. Y. "Tergitol."
Cee-Bee Chemical Co., 9520 Ceebee Drive, Downey, Calif.
Champion Products, Inc., P. O. Box 291, Stephenville, Texas.
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Dearborn Chemical Co., Merchandise Mart Plaza, Chicago 54, Ill.
Detrex Corp., Box 501, Detroit 32, Mich. "Detrex," "Perm-A-Clor," "Triad."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Dyna Sprex," "Sprex AC."
du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del.
du Pont de Nemours & Co., E. I., Grasselli Chemical Dept., du Pont Bldg., Wilmington 98, Del. "Duclean" (Alkaline and acid.)
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."

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CLEANERS, Metal—*continued*

Glisten Co., 13 Barnard St., Hillsdale, Mich.
Hanson-Van Winkle-Munning Co., Matawan, N. J. "Matawan."
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio.
Homestead Valve Mfg. Co., Hypressure Jenny Div., Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny."
Hooker Electrochemical Corp., 4746 Buffalo Ave., Niagara Falls, N. Y. "Virgo."
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Houghto Clean," "Cerfak."
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industro," "Phosmul," "Prezaint."
Kelite Products, Inc., 1250 N. Main St., Los Angeles 54, Calif.
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.
Lake Erie Mfg. Co., 192 Chicago St., Buffalo, N. Y. "Lemco."
Lavo Co. of America, 300 W. Seventh St., Milwaukee 3, Wis. "Mirifik."
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Neilson Chemical Co., 6564 Benson St., Detroit 7, Mich. "Alumiprep."
Northwest Chemica Co. 9310 Roselawn Ave., Detroit 4, Mich. "Alkalume," "Northwest."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Parker Rust Proof Co., 2177 E. Milwaukee Ave., Detroit 11, Mich. "Parcolene," "Parco."
Penetone Co., 74 Hudson Ave., Tenafly, N. J. "Penesolve."
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Penn Drake."
Pennsylvania Salt Mfg. Co., 1000 Widener Bldg., Philadelphia 7, Pa. "Pennsalt."
Philadelphia Quartz Co., 1146 Public Ledger Bldg., Sixth & Chestnut Sts., Philadelphia 6, Pa. "Metso."
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul No. 57."
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa.
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa. "Sun Spirits."
Turco Products, Inc., 6135 S. Central Ave., Los Angeles, Calif. "Turco Porokleen."
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis. "Krome-Kote."
Wyandotte Chemicals Corp., J. B., Ford Div., Wyandotte, Mich.

CLEANERS, Spark Plug

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Auburn Spark Plug Co., York St., Auburn, N. Y.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Champion Spark Plug Co., 904 Upton Ave., Toledo 1, Ohio.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee, Wis.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Handy."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Master Products Mfg. Co., 3480 E. 14th St., Los Angeles 23, Calif. "Twin-Jet."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

CLEANERS, STEAM—See Cleaners, Engine, Chassis and Fender

CLEANERS, TANK — See Washers, Metal Parts

CLIPS, Spring

Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Clapp Mfg. Co., E. D., 305 W. Genesee St., Auburn, N. Y.
Cuyahoga Spring Co., 10230 Berea Rd., Cleveland 2, Ohio.
Davis Auto Equipment Co., 119 N. 3rd St., Reading, Pa.
Handy Button Machine Co., 2255 S. Rockwell St., Chicago 8, Ill.
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio.
Houser Engrg. & Mfg. Co., Bluffton, Ind.
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Service Spring Co., Box 638, Indianapolis 6, Ind. "Hendrix."
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Woodworth, C. B., Corp., Greene, N. Y.

CLUTCHES

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio.
Borg & Beck Div., Borg-Warner Corp., 6553 S. Menard Ave., Chicago 38, Ill. "B. & B."
Dynamatic Corp., 3307 14th Ave., Kenosha, Wis. (Eddy current.)
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Lipe-Rollway Corp., 806 Emerson Ave., Syracuse 4, N. Y. (Heavy duty.)
Long Mfg. Div. Borg-Warner Corp., 12501 Dequindre St., Detroit, Mich.
Rockford Clutch Div., Borg-Warner Corp., 1319 18th Ave., Rockford, Ill. (Truck, tractor and bus.)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Auburn," "Spicer Brown-Lipe." (Truck and bus.)

CLUTCH ALIGNMENT TOOLS—See Tools, Clutch Alignment

CLUTCH FACINGS, See Facings, Clutch

CLUTCH PLATES, See Plates, Clutch

CLUTCH REBUILDING MACHINES — See Machines, Clutch Rebuilding

COCKS, Pet (Drain, Gasoline, Air, etc.)

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y. (Drain.)
American Brass & Iron Co., 6500 Georgia Ave., Detroit 11, Mich.
Anderson Brass Co., 5303 12th St., Detroit 8, Mich.
Commonwealth Brass Corp., 5835 Commonwealth Ave. & G. T. R. R., Detroit 8, Mich. (Drain.)
Consolidated Brass Co., Summit Ave. & Wabash Ry., Detroit 9, Mich.
Dole Valve Co., 1901 Carroll Ave., Chicago 12, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill.
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago, Ill.
Lincoln Brass Works, 2067 12th St., Detroit 16, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md.
Lunkenheimer Co., Beekman St. & Waverly Ave., Cincinnati, Ohio.
Nauman Mfg. Corp., R. F., 525 Michigan Ave., Buffalo 3, N. Y. "Naco." (For Chevrolet, Pontiac cars, etc.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Roberts Brass Mfg. Co., Box 147, Mitchell, Ind.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

COILS, Field

Arrow Armatures Co., 15 Fordham Road, Boston 34, Mass.
General Armature & Mfg. Co., Mill Hall, Pa.
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y.

COILS, Ignition

American Bosch Corp., 3664 Main St., Springfield 7, Mass.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Andrew Parts Mfg. Co., 49 Amsterdam Ave., N. Y. 23, N. Y.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Crowley & Co., Henry L., 1 Central Ave., West Orange, N. J.
Crumbliss Mfg. Co., 3011 N. Cicero Ave., Chicago 41, Ill.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electric Auto-Lite Co., Toledo, Ohio. "Auto-Lite."
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Regular and high speed.)
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Griswold Co., Lancaster Pike, Devon, Pa.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Holley Carburetor Co., 5930 Vancouver Ave., Detroit 8, Mich.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Iliaco."
Kem Mfg. Co., 20-21 Dagaraw Rd., Fairlawn, N. J.
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles 1, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
O.S.M. Electric Corp., 6209 Hamilton Ave., Detroit 2, Mich.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y. "P.P.P."
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorenson Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y. "Blue Streak," "Standard."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "K-W."
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
United Motors Service, General Motors Bldg., Detroit, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Wells," "Super Go."

COIL TESTERS—See Instruments, Electrical Circuit Testing

COMBUSTION ANALYZERS—See Analyzers, Combustion

COMBUSTION System (Diesel)

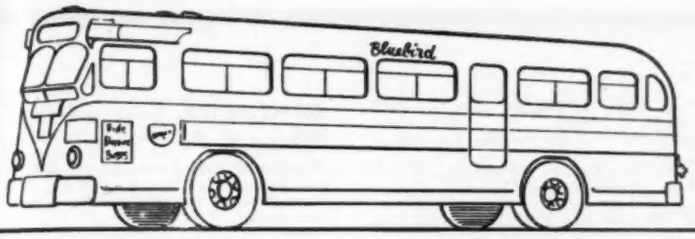
Lanova Corp., 38-15 30th St., Long Island City 1, N. Y.

COMMUTATORS, Electric Motor

Cameron Electrical Mfg. Co., 205 Main St., Ansonia, Conn.
Cleveland Commutator, Div. Borg-Warner Corp., 2051 E. 69th St., Cleveland 3, Ohio. (To order.)
Electric Materials Co., Clay & Washington Sts., North East, Pa.
Simmons Mfg. Co., Ashland, Ohio. (For Ford and Chevrolet cars.)
Spring Div. Borg-Warner Corp., Madison St. & 25th Ave., Bellwood, Ill. (Small.)
Toledo Commutator Co., 1111 Beehler Ave., Owosso, Mich. "Hillsdale," "Homer," "Toledo."

COMPOUNDS, Battery Terminal Anti-Corrosive

Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y. "Arsco Anti-Korode."
Champion Products, Inc., P. O. Box 291, Stephensville, Tex.
Gould-National Batteries, Inc., Industrial Div., 467 Calhoun St., Trenton 7, N. J.
Noco Co., 2074 E. 65th St., Cleveland 3, Ohio.
Pep Mfg. Co., 33 W. 42nd St., New York, N. Y. "Krode Kure."
Radiator Seal Co., 120 Stutsman St., Council Bluffs, Iowa. "Non-Kr-O-Sinc."



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INDIANAPOLIS, IND.—*1112 N. Pennsylvania St.*
KANSAS CITY, MO.—*500 West 39th St.*
MILWAUKEE, WIS.—*Jones Island*
MINNEAPOLIS, MINN.—*212 Sixth St. South*
NEW YORK, N. Y.—*80 Broadway*
TAMPA, FLA.—*Peninsula Bank Bldg.*
TULSA, OKLA.—*21st and Utica*
OMAHA, NEB.—*WOW Building*
PONTIAC, MICH.—*2635 Orchard Lake Rd.*
RALEIGH, N. C.—*16 W. Martin St.*
ST. LOUIS, MO.—*4251 Lindell Blvd.*
WICHITA, KAN.—*501 KFH Building*

COMPOUNDS, Bat.—*continued*

Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis.

COMPOUNDS, Car Washing, See Detergents, Car Washing and Soaps, Car Washing

COMPOUNDS, Crankcase Sludge Removing

Alox Corp., 40 Pine St., New York 5, N. Y.
Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."
Celco Corp., 110 E. 42nd St., N. Y. 17, N. Y. "Celco Line."
Champion Products, Inc., P. O. Box 291, Stephensville, Tex.
Curran Corp., S. Canal St., Lawrence, Mass.
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
Drew & Co., E. F., Automotive Chemicals Div., 15 E. 26th St., New York, N. Y. "Ameroid."
Emerol Mfg. Co., 242 W. 69th St., New York 23, N. Y. "Marvel Hi-Rev."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Gulf Oil Corp. (Gulf Refining Co.), Gulf Bldg., Pittsburgh 30, Pa. "Gulf Motor Flush."
Gunk Chicago Co., 3447 W. Madison St., Chicago 24, Ill.
Hollingshead Corp., R. M., Ninth & Cooper Sts., Camden, N. J. "Whiz."
Lubaid Co., 155 E. Kilborn St., Milwaukee 1, Wis. "Lubaid T."
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus 755."
National Refining Co., Standard Bldg., Cleveland 1, Ohio. "Enarco-Solv."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Pennsylvania Refining Co., Gumont Div., 2686 Lisbon Rd., Cleveland 4, Ohio.
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Loosite."
Quaker Oats Co., Chemical Div., Chicago, Ill. "Furfural."
Radiator Specialty Co., 1722 Dowd Rd., Charlotte 1, N. C. "3 in 1 Nu-Power."
Randall Products Mfg. Co., 2095 Broadway, New York 23, N. Y. "Motor-Kleen."
Rust Master Chemical Corp., 712 Beacon St., Cambridge, Mass. "Six Master."
V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif.
White & Bagley Co., 100 Foster St., Worcester 8, Mass.

COMPOUNDS, Metal Testing

(To visually locate cracks, flaws or porosity in metal)

K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Magnaflux Corp., 7300 W. Lawrence Ave., Chicago 31, Ill. "Spotcheck" dye; "Stresscoat" lacquer.
Turco Products, 6135 S. Central Ave., Los Angeles 1, Calif.

COMPOUNDS, Radiator & Block Repair (Advertisers only)

du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, Wilmington 98, Del. "No. 7."
Goodrich Co., B. F., 500 S. Main St., Akron, 18, Ohio. (Capsules.)
Hollingshead Corp., R. M., 840 Cooper St., Camden 2, N. J. "Whiz."
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Lusco Inc., 5915 Bonna, Cleveland, Ohio.
Miller Mfg. Co., 1100 N. 32nd St., Camden 5, N. J. "Wonder Seal," "Wonder Weld."
Permatex Co., 1720 Ave. Y, Brooklyn 35, N. Y. "Form-A-Weld," "Indian Head," "Permatex."
Producers, Ltd., 915 Fowler Ave., Evanston, Ill. "Thurmo Stop Leak."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure."
Sinclair Refining Co., 630 Fifth Ave., New York, N. Y.
Socony Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Stop Leak."
Stanley Co., John T., 642 W. 30th St., New York 1, N. Y. "Mobo."
Tincher Products Co., 800 Borden Ave., Sycamore, Ill.
Versnick Mfg. Co., 4700 E. Nevada St., Detroit 34, Mich. "Versnick Met-L-Seal."

COMPOUNDS, Radiator Rust Preventing, See Rust Preventatives, Cooling System

COMPOUNDS, Rubbing and Polishing

Beckwith-Chandler Co., Delancey & Rutherford Sts., Newark, N. J. "B/C."
Belvidere Laboratories, 700 W. Locust St., Belvidere, Ill. "Speedite."
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich.
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite."
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Colorglo Products, Inc., 109 N. Newlin Ave., Whittier, Calif.
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, du Pont Bldg., Wilmington 98, Del. "No. 7."
du Pont de Nemours & Co., E. I., Finishes Div., Refinish Sales, Wilmington 98, Del. "Duco."
Formax Mfg. Co., 3171 Bellevue St., Detroit 7, Mich.
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Hollingshead Corp., R. M., Ninth & Cooper Sts., Camden, N. J. "Whiz."
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Ken-nite Co., 2926 Hancock Ave., W., Detroit 8, Mich.
Lee Polish Mfg. Co., 1399 Utica Ave., Brooklyn 3, N. Y.
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Lucote."
Lusco, Inc., 5915 Bonna Ave., Cleveland 3, Ohio.
McAleer Mfg. Co., Div. Higbie Mfg. Co., Fourth & Water Sts., Rochester, Mich.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Simoniz Co., 2100 Indiana Ave., Chicago 16, Ill. "Simoniz" (Polishing; "Simoniz Kleener" & "Lacker Rubb," rubbing.)
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio.
Stain-Ox Co., 625 E. First Ave., Roselle, N. J.
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Warehouse Distributors Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

COMPOUNDS, Tire Cleaning

Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.

COMPOUNDS, Tire Repair

Better Monkey Grip Co., 5320 Harry Hines Blvd., Dallas 2, Tex. (Sole distributors, Monkey Grip Sales Co., 5320 Harry Hines Blvd., Dallas 2, Tex.)
Even-Air Corp., Caldwell, N. J.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Hollingshead Corp., R. M., Ninth & Cooper Sts., Camden, N. J.
Lee Rubber & Tire Corp., Conshohocken, Pa.
Liquid Veneer Corp., Urban & Kehr Sts., Buffalo 11, N. Y.
United States Rubber Co., Rockefeller Center, Ave. of the Americas, New York 20, N. Y.
Van Cleef Bros., Woodlawn Ave., 77th to 78th St., Chicago, Ill. "Dutch Brand."

COMPOUNDS, Valve Grinding

Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Boyer Chemical Laboratories, 2232 S. Wabash Ave., Chicago, Ill. "3B."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Harrison & Co., P. O. Box 457, Haverhill, Mass. "4A."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
Pep Mfg. Co., 33 W. 42nd St., New York, N. Y.
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Purfex Mfg. Co., Box 118, Collegeville, Pa.
Zip Abrasive Co., 1360 W. Ninth St., Cleveland 13, Ohio.

COMPOUNDS, Welding

Dolphin Paint & Varnish Co., 922 Locust St., Toledo 3, Ohio. "Dolfinite."
Ensign Products Co., 3528 E. 76th St., Cleveland 15, Ohio.
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. "Marquette Spatter-Shield."
Midland Paint & Varnish Co., 3801 E. 91st St., Cleveland 5, Ohio. "No-Spat." (To prevent bonding of spatter to parts.)
Wayne Chemical Products Co., Copeland Ave. & M.C.R.R., Detroit, Mich. ("Flash-Ex," to prevent bonding of flash to dies; "Spatter-Ex," to prevent bonding of spatter to parts.)
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis. "Anti-Spatter." (To prevent bonding of spatter to parts.)

COMPRESSION GAGE—See Gages, Cylinder Compression

COMPOUNDS, Windshield Sealing

Behr-Manning, Div. Norton Co., Troy, N. Y.
Dolphin Paint & Varnish Co., 922 Locust St., Toledo 3, Ohio. "Dolfinite."
du Pont de Nemours & Co., E. I., Finishes Div. Specialties Sales, Wilmington 98, Del. "No. 7."
Krylon Inc., 1422 Chestnut St., Philadelphia 2, Pa. "Sealzit."
Permatex Company, Inc., 1702 Avenue Y, Brooklyn 35, N. Y.

COMPRESSORS, Air

Air-Flo Compressor Co., 357 W. Thornton St., Akron 7, Ohio.
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
American Air Compressor Corp., Dell Ave. & 48th St., North Bergen, N. J. "American Fairhurst."
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, Ill. "Kellogg-American."
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill. (For operating spray equipment.)
Black Mfg. Co., 201 Second St., Harrison, N. J.
Brown Corp., W. R., 5720 Armitage Ave., Chicago, Ill.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Buell Mfg. Co., 919 W. 49th Place, Chicago 9, Ill.
Campbell-Hausfeld Co., 211 Railroad Ave., Harrison, Ohio. "Pressure Maid," "Pressure Princess," "Pressure Queen," "Tankmobile."
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP."
Cochin Mfg. Co., J. D., 1440 E. Grand Ave., South San Francisco, Cal. "Easy."
Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis, 20, Mo.
Davey Compressor Co., N. Water & Cook Sts., Kent, Ohio.
Dayton Air Compressor Co., 427 Valley St., Dayton 4, Ohio.
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.

COMPRESSORS, Air—continued

De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Wis. "Elsco," "Wilmington."
Gardner-Denver Co., S. Front St., Quincy, Ill.
Gast Mfg. Corp., 146 Water St., Benton Harbor, Mich.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
H & H Products Mfg. Co., P. O. Box 2333 Terminal Annex, Los Angeles 54, Calif.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keystone Compressor Co., 8407 Hegerman St., Holmesburg, Philadelphia 36, Pa.
Le Roi Co., 1706 S. 68th St., Milwaukee 14, Wis.
Lynch Corp., Par Compressor Div., 3600 Summit St., Toledo, Ohio. "Par."
M. & E. Mfg. Co., 2571 Winthrop Ave., Indianapolis 6, Ind.
National Electric Tool & Equipment Co., 1807 W. Lake St., Chicago 12, Ill.
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Pioneer Air Compressor Co., 120 Chambers St., New York, N. Y.
Power Brake Parts Mfg. Co., 8060 Wheeler Ave., Detroit 10, Mich.
Quincy Compressor Co., 217 Maine St., Quincy, Ill.
Saylor-Beall Mfg. Co., St. Johns, Mich.
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Scott Air Compressor Co., 4682 Mulberry St., Philadelphia 24, Pa.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Southwest Pump Co., First and Center Sts., Bonham, Tex.
Tokheim Oil Tank & Pump Co., 1602 Wabash Ave., Fort Wayne 1, Ind. (Portable)
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Westinghouse Air Brake Co., Industrial Products Div., Wilmerding, Pa.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

COMPRESSORS, Air (Power Take-off Type)

Cooper-Bessemer Corp., Mount Vernon, Ohio.
Davey Compressor Co., N. Water & Cook Sts., Kent, Ohio. (Truck)
Power Brake Parts Mfg. Co., 3435 S. Racine Ave., Chicago 8, Ill.
Schramm, Inc., West Chester, Pa.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

CONDENSER TESTERS, See Instruments, Electrical Circuit Testing

CONDENSERS, Ignition

American Bosch Corp., 3664 Main St., Springfield 7, Mass.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electric Auto-Lite Co., Toledo, Ohio. "Auto-Lite."
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Holley Carburetor Co., 5920 Vancouver Ave., Detroit 8, Mich.
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa. "Nycco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill
P & D Mfg Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Paragon Products Corp., 140 Astor St., Newark 5, N. J. (Sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products, Inc., Waukegan, Ill.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Sprague Electric Co., 344 Marshall St., North Adams, Mass.
Springfield Electrical Specialties, Inc., 120 Wooster St., New York 12, N. Y. "Superseal."
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." "Standard."
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Wells," "Super Go."

CONNECTING ROD BEARINGS, See Bearings

CONNECTING RODS

Aluminum Co. of America, Gulf Bldg., Pittsburgh 19, Pa. (Aluminum alloy.)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. (Reconditioned, Rebabbitted.)
Canton Drop Forging & Mfg. Co., 207 12th St., S. E., Canton, Ohio.
Continental Motors Corp., Muskegon 82, Mich.
Gillett & Eaton, Inc., 8th & Doughty Sts., Lake City, Minn. (Aluminum.)
Niagara Motors Corps., Lampshire St., Dunkirk, N. Y.
Park Drop Forge Co., 777 E. 79th St., Cleveland 3, Ohio.
Parks Engineering, Inc., 347 E. Ward St., Milwaukee 7, Wis. "P-A."
Pioneer Motor Bearing Co., Eddy St. & Van Ness Ave., San Francisco, Calif.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.

CONNECTORS, Electrical Circuit (Trailer)

Autac, Inc., Box 1071, New Haven, Conn. "Autac Koiled Kords."
Berg Mfg. & Sales Co., 24 E. 18th St., Chicago 18, Ill. "Berg Royal," "Berg Shur-Lock."
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass. "Hencol."
Connecticut Telephone & Electric Corp., 85 Britannia St., Meriden, Conn.
Joy Mfg. Co., 338 Oliver Bldg., Pittsburgh 22, Pa.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kliegl Bros. Universal Electric Stage Lighting Co., 321 W. 50th St., New York, N. Y.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.
S. & M. Lamp Co., 119 W. 36th Pl., Los Angeles 54, Calif.
Scintilla Magneto Div. of Bendix Aviation Corp., Sherman Ave., Sidney, N. J. "Bendix."
Warner Electric Brake & Clutch Co., P. O. Box 620, Beloit, Wis.
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
White, Inc., J. W., 11th & Cambria Sts., Philadelphia 33, Pa.

CONNECTORS, Wire, See Terminals, Wire

CONTACT POINT ALIGNING TOOLS, See Tools, Ignition

CONTACT POINT FILES, See Files, Contact Point

CONTACT POINTS, See Points (Ignition)

CONTROLS, ENGINE CUT OFF, See Switches, Ignition (Cut-Off)

CONVERTERS, Torque

Long Mfg. Div. of Borg-Warner Corp., 12501 Duquindre St., Detroit 12, Mich.

COOLERS, Truck, Bus and Trailer

Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Metal Products Engineering, Inc., 4000 Long Beach Ave., Los Angeles 58, Calif. "Kab Kool."
Thermador Electrical Mfg. Co., 519 S. District Blvd., Los Angeles 22, Calif.

COOLERS, Oil Temperature

G & O Mfg. Co., 138 Winchester Ave., New Haven, Conn.
Kewanee-Ross Corp., Buffalo, N. Y.
Long Mfg. Div., Borg-Warner Corp., 12501 Dequindre St., Detroit, Mich.
Yates-American Machine Co., Beloit, Wis.
Young Radiator Co., 709 S. Marquette St., Racine, Wis.

CORD, Tire

American Enka Company, 206 Madison Ave., New York 16, N. Y.
du Pont de Nemours & Co., E. I., Textile Fibers Dept., Wilmington 98, Del.

CORROSION PREVENTIVES, See Rust Preventives

COUPLERS, Trailer

(See also "Connectors, Electrical")

Acme Mfg. Co., 1406 Agnes St., Kansas City, Mo.
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Berluti Mfg. Co., 1023 Wheeler St., Saginaw, Mich. "Snapping Turtle." (House and utility trailer.)
Buller Mfg. Co., Hillsboro, Kan.
Campbell Co., H. D., 402 Dewey Ave., Rochelle, Ill. "Wayne."
Eberhard Mfg. Co., Div. of Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio. (Utility.)
Elkhart Welding & Boiler Works, Inc., 2132 S. Main St., Elkhart, Ind. "Boltfast."
Fulton Co., 1912 S. 82nd Ave., Milwaukee 14, Wis.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis. "Bull Dog," "Back-in Hitch."
Holland Hitch Co., 430 W. 18th St., Holland, Mich.
Jordan Equipment Co., 2526 Wood St., Oakland 7, Calif. ("Quick-Guide" aligner.)
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa. "McKay Klip Lock." (Emergency chain.)
Marvel Industries, Inc., Sturgis, Mich.
Mercury Mfg. Co., 4044 S. Halsted St., Chicago 9, Ill.
Monroe Mfg. Co., C. N., 2525 S. Dort Highway, Flint 7, Mich.
Rapids Equipment Co., B. Ave. & Sixth St., N. W., Cedar Rapids, Iowa. (Cabin, sole distributors, Rapids Products Co., 220 Sixth St., N. W., Cedar Rapids, Iowa.)
Service Caster & Truck Corp., 540 N. Brownswood Ave., Albion, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Slimp Axle Products, Highway 99 West (Box 449), Colton, Calif.
Speedmaster, Ltd., 630 E. 10th St., Oakland 4, Calif.
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Weber Trailer & Mfg. Co., 1104 E. Fifth St., Los Angeles 13, Cal.
Wells, Inc., Martin, 5886 Compton Ave., Los Angeles 1, Calif.
Wood-Williams-Capp Mfg. Co., 3239 W. Michigan Ave., Ypsilanti, Mich. "Paragon."

COUPLINGS, See Tube Fittings

COVERINGS, Floor (Bus or Truck)

Armstrong Cork Co., Industrial Div., Lancaster, Pa. "Airoflor," "Armstrong's," "Automat," "Armoflor," "Acolon," "Traffex." (Linoleum.)
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub." (Synthetic rubber.)

COVERS, Radiator Grille

Belmor Mfg. Co., 457 N. Oakley Blvd., Chicago 12, Ill.
Detroit Cover Co., 3410 W. Fort St., Detroit 16, Mich.
Henry Mfg. Co., 4215 Ave. S., Minneapolis, Minn. "Tru-Fit."
Hinson Mfg. Co., Westfield Ave. & Menges St., Waterloo, Iowa.
Niagara Fabric Mfg. Co., 161 Grand St., New York 13, N. Y.
Parker Products. Inc., 1207 Harmon Pl., Minneapolis 3, Minn.
Protection Products Co., 2637 W. Polk St., Chicago 12, Ill.
Temme & Co., W. H., 507 S. Grove Ave., Oak Park, Ill.

COVERS, Truck

Clifton Mfg. Co., 323 Pleasant St., Waco, Texas. "Biltrite Dome."
Crawford-Austin Mfg. Co., Sixth & Jackson Sts., Waco, Tex. "Dux-Bak."
Mt. Vernon-Woodberry Mills, Inc., Mercantile Trust Bldg., N. Y., N. Y.
Pittsburgh Steel Products Co., Grant Bldg., Pittsburgh 30, Pa. ("Speedrack" for handling tarpaulins.)
Turk Corp., C. K., 1122 Mishawaka Ave., South Bend 15, Ind. "Caravan Top." (For pickup trucks.)
Turner Equipment Co., 432 St. Aubin St., Detroit 7, Mich. "Champion."
Webb Mfg. Co., Fourth & Cambria Sts., Philadelphia 33, Pa.

CRANES, Crawler and Truck Mounted

American Hoist & Derrick Co., St. Paul 1, Minn. (Crane blocks.)
Automatic Transportation Div., Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill.
Browning Crane & Shovel Co., 16226 Waterloo Rd., N. E., Cleveland 10, Ohio.
De-Lux Neon Mfg. Co., 1007 NW 36th St., Oklahoma City 3, Okla. "Memco."
Harben, Inc., Box 5997, Dallas, Tex.
Hughes-Keenan Corp., Delaware, Ohio.
Hyster Co., 2980 N. E. Clackamas St., Portland 8, Ore.; 1880 N. Adams St., Peoria 1, Ill.; 1080 Meyers St., Danville, Ill.
Link-Belt Speeder Corp., 1201 Sixth St., S. W., Cedar Rapids, Iowa.
Schield Bantam Co., Waverly, Iowa.
Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y. (Also Milford crane-truck.)
Star Machine & Tool Co., 20 16th St., S.E., Minneapolis 14, Minn.

CRANES, Monorail

American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio.
Detroit Hoist & Machine Co., 8350 Morrow St., Detroit 11, Mich.
Euclid Crane & Hoist Co., Euclid, Ohio.
Harnischfeger Corp., 4400 W. National Ave., Milwaukee, Wis. "P & H."
Hobbs Co., Clinton E., 203 Chelsea St., Everett 49, Mass.
Industrial Equipment Co., 315 N. Ada St., Chicago 7, Ill.
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
Northern Engineering Wks., 2615 Atwater St., Detroit 7, Mich.
Roeper Crane & Hoist Works, 1720 N. Tenth St., Reading, Pa.

CRANES, Portable (Hand Operated)

See also Hoists, Chain
Baker Mfg. Co., 154 W. Water St., Kankakee, Ill. "Hercules."
Bradney Machine Co., 70 Monhagen Ave., Middletown, N. Y.
Calco Steel Products Co., 28 New England Ave., Dorchester 24, Mass.
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Blue Heron."
Chisholm-Moore Hoist Corp. (Div. Columbus McKinnon Chain Corp.), Fremont Ave., Tonawanda, N. Y. "C-M."
Evans Reamer & Machine Co., New Lexington, Ohio.
Hill Acme Co., "Canton" Div., 1201 W. 65th St., N. W., Cleveland, Ohio.
Industrial Equipment Co., 315 N. Ada St., Chicago 7, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Hydraulic.)
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown 72, Mass.
Manley Div. American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Manzel, Inc., 315 Babcock St., Buffalo 10, N. Y. (Hydraulic.)
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn. "Ohio."
Round & Son, David, Box 883, Cleveland 22, Ohio.
Ruger Equipment, Inc., 615 W. 4th St., Uhrichsville, Ohio.
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Service Caster & Truck Corp., 540 N. Brownswood Ave., Albion, Mich.
Star Machine & Tool Co., 201 Sixth St., S.E., Minneapolis 14, Minn.
Unit Mfg. Co., 1229 Harmon Pl., Minneapolis 3, Minn.

CRANES, Service Truck

Ashton Power Wrecker Equipment Co., Inc., 1701 W. Lafayette, Detroit 16, Mich.
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Blue Heron."
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."
Gar Wood Industries, Inc., Wayne, Mich. "GW."
Heil, Jack, 2118 N. Wayne Ave., Chicago 14, Ill.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio. "Hitco."
Hubbard Mfg. Co., Farmland, Ind.
International Equipment Co., 9 Carlton St., Buffalo 3, N. Y.
Manley Mfg. Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Marquette Mfg. Co., Inc., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Ruger Equipment, Inc., 615 W. 4th St., Uhrichsville, Ohio. (Hydraulic.)
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y.
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.

CRANKSHAFT, Grinders, See Grinders, Crankshaft

CREEPERS, Repair

Adams Co., Parks M., 1211 Stevenson Lane, Towson 4, Md. "Champion."
Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Balcrank, Inc., Disney St. nr. Marsburg, Cincinnati, Ohio. "Brookins."
Clinton Products Co., 290 Tecumseh Rd., Clinton, Mich. "Geiger-Knight."
Huffman Mfg. Co., Automotive Div., P. O. Box 69, Delphos, Ohio. (Metal, also wood.)
Kay-Wood Products, Inc., Bedford, Pa. (Wood.)
MIT Industries, Inc., 65 Herkimer Place, Brooklyn, N. Y. "Caterpillar."
Market Forge Co., 25 Garvey St., Everett, Mass. "Maforco."
Mohler Engineering Co., 47 Emerick St., Ypsilanti, Mich.
P. & B. Specialties Co., 531 N. 2nd St., Philadelphia 23, Pa. "Garage Master," "Hercules," "Pioneer," "Pioneer Jr."
R & L Mfg. Co., 1945 N. 12th St., Toledo 1, Ohio. (Sole distributors, Lisle Corp., 809 E. Main St., Clarinda, Iowa.)
Smash-Proof Co., 6000 State Ave., Ashtabula, Ohio. "Smash-Proof" (with or without brake), "Red Head."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

CUSHIONS, Seat (Rubber)

Bostrom Mfg. Co., 133 W. Oregon St., Milwaukee 4, Wis.
Dunlop Tire & Rubber Corp., Sheridan Drive, Buffalo 7, N. Y. "Dunlop Pillo Foam."
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio. "Foamex."
General Seating Co., 220 Main St., Topton, Pa.
Hewitt Restfoam Div., Hewitt-Robins, Inc., 240 Kensington Ave., Buffalo 5, N. Y. "Restfoam."
Karpex Mfg. Co., 1436 E. 19th St., Indianapolis 7, Ind. (Truck.)
New York Rubber Corp. (Airubber Dept.), 100 Park Ave., New York 17, N. Y.
Perma Products Co., 5455 Broadway, Cleveland 27, Ohio.
Smith Metal Arts Company, Inc., 1721 Elmwood Ave., Buffalo, N. Y. "Air Pulse." (Air cell pad.)
Sponge Rubber Products Co., Howe Ave., Shelton, Conn. "Spongex."
Texelent Sales Corp., 206 Amsterdam Ave., New York, N. Y.
United States Rubber Co., U. S. Koylon Foam Div., Mishawaka, Ind. "U. S. Koylon."

CUSHIONS, Seat (Spring)

Bostrom Mfg. Co., 133 W. Oregon St., Milwaukee 4, Wis.
Fort Pitt Mfg. Co., 1501 Preble Ave., N. S., Pittsburgh 33, Pa.
General Seating Co., 220 Main St., Topton, Pa.
Goshen Cushion & Body Co., N. Second St., Goshen, Ind. "Better Built."
Perma Products Co., 5455 Broadway, Cleveland 27, Ohio.
Young Spring & Wire Corp., L. A., 9200 Russell St., Detroit 11, Mich.

CUTTERS, Tubing (Hand)

Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Capewell Mfg. Co., 60 Governor St., Hartford 2, Conn. "Armstrong-Bridgeport."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco." (Hand power.)
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Herbrand Div. Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Kennedy Service Tools, Inc., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Quality Tools Corp., Railroad St., New Wilmington, Pa.
Reed Mfg. Co., 1425 W. Eighth St., Erie, Pa. (Pipe).
Rinck-McIlwaine Inc., 16 Hudson St., New York 13, N. Y.

CYLINDER DE-GLAZERS, See De-Glazers, Cylinder

CYLINDER HONES, See Hones, Cylinder

CYLINDER, Liner, See Sleeves, Cylinder

CYLINDER LUBRICATORS, See Lubricators, Upper Cylinder

CYLINDER REBORING TOOLS, See Tools, Cylinder Reboring (Portable)

CYLINDER RIDGE REAMER, See Reamers, Cylinder Ridge

DECALCOMANIAS

American Decalcomania Co., Inc., 4326 5th Ave., Chicago 24, Ill.
Dicks Co., C. O., 8544 Grand River, Detroit 4, Mich.
Excello Specialty Co., 4111 E. 100 St., Cleveland 5, Ohio.
Jaco-Lac Decal Co., 234 S. Wells, Chicago 6, Ill.
Meyercord Co., 5323 W. Lake St., Chicago 44, Ill.
Palm Bros. Decalcomania Co., 3736 Regent St., Cincinnati, Ohio.
Palm, Fechteler Co., 85-99 Maple St., Weehawken, N. J.
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DECELEROMETERS—See Meters, Brake Testing

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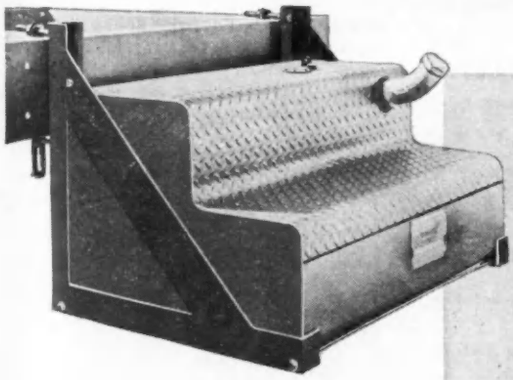

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Western Cable & Light Co., 395 Sibley St., St. Paul, Minn.

DEFROSTING FANS, See Fans, Defrosting

DEGASSERS, Bus and Truck

Fageol Co., R. D., 5725 Mt. Elliott Ave., Detroit 11, Mich.

DE-GLAZERS, Cylinder

Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Storm-Vulcan Inc., 2225 Burbank St., Dallas 19, Tex.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

DEGREASERS, See Washers, Metal Parts

DEGREASING COMPOUNDS, See Solvents, Oil, Carbon and Grease Removing

DEPRESSORS, Brake Pedal

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Eis Automotive Corp., Middletown, Conn.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Robison Air Jack Co., 2345 Jerrold Ave., San Francisco 24, Calif.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y.
Waterloo Valve Spring Compressor Co., 300 Ansborough Ave., Waterloo, Iowa. "Little Wonder."

DERRICKS, See Cranes, Service Truck

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Advance Century Mfg. Co., P. O. Box 781, Greenville, S. C.
Atomix, Inc., Box 486, Wilmington 99, Del. "Atolak."
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Dirt Buster."
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif.
Colorglo Products, Inc., 109 N. Newlin Ave., Whittier, Calif.
Commercial Solvents Corp., 260 Madison Ave., New York 17, N. Y. "Nor'way."
Crystal Soap & Chemical Co., 6300 State Road, Philadelphia 35, Pa. (Soap.)
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Gently."
Detrex Corp., 14331 Woodrow Wilson Ave., Detroit 32, Mich. "Drex-Foam."
Drew Co., E. F., 15 E. 26th St., New York, N. Y. "Ameroid."
du Pont de Nemours & Co., E. I., Chemical Specialties Div., Wilmington, Del. "No. 7."
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "Abbolene," "Fleet Kleen."
Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
International Metal Polish Co., 1910 Quill St., Indianapolis 7, Ind. "Blue Ribbon."
Jones Products, Inc., 276 Third St., Cambridge 42, Mass. "X-100."
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif.
Las-Stik Mfg. Co., Wayne & B Sts., Hamilton, Ohio.
Lavo Co. of America, 300 N. Seventh St., Milwaukee 3, Wis.
Lusk Co., C. F., 5918 Bonna Ave., Cleveland, Ohio.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."
Master Specialty Co., 3016 E. Lake St., Minneapolis 6, Minn. "Wash-Master."
Miller Mfg. Co., 1100 N. 32nd St., Camden, N. J. "Washettes." (Capsules.)
Mirrolike Mfg. Co., 36th St. & Queens Blvd., Long Island City 1, N. Y. (Soap.)
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K Washrite."
Murphy-Phoenix Co., Div. of Phoenix Oil Co., 9505 Cassius Ave., Cleveland 5, Ohio.
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Oronite Chemical Co., 38 Sansome St., San Francisco 4, Calif.
Penetone Co., 74 Hudson Ave., Tenafly, N. J. "Penesolve."
Permo Products Co., 1629 Platte St., Denver 2, Colo.
Puritan Co., 961 Lyell Ave., Rochester 6, N. Y.
Seller Injector Corp., 1600 Hamilton St., Philadelphia 30, Pa.
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa. "PN 700."
Service Supply Co., 1115 Seventh St., Denver, Colo. "Shamo."
Shur-Gloss Mfg. Co., 3536 N. Knox Ave., Chicago 41, Ill. "Shur Wonder-Wash."
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Sovasuds Car Wash."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio.
Stanley Co., John T., 642 W. 30th St., New York 1, N. Y. "Mobo," "Protol."
Tudor Chemical Specialties, Inc., 141 Woodworth Ave., Yonkers 2, N. Y. "Quickee."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 6, Mo. "Z-4."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Por-Cel-Seal."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.
"X" Laboratories, Inc., 25 W. 45th St., New York 36, N. Y. "X-Karwash."
Zecol, Inc., 3270 S. Third St., Milwaukee 7, Wis.

DIAL GAGES, See Gages, Dial

DIESEL ENGINES, See Engines, Diesel

DIESEL ENGINE FUEL FILTERS, See Filters, Diesel Fuel

DIESEL EQUIPMENT TESTERS, See Testers, Diesel Equipment

DIESEL FUEL, See Fuels, Engine

DIESEL INJECTOR EQUIPMENT, See Injector Systems, Gasoline & Diesel Engine

DIFFERENTIAL CLEANERS, See Flushers, Differential and Transmission

DIFFERENTIALS

Automotive Gear Works, Inc., Eighth & S. O. Sts., Richmond, Ind. "Double Diamond."
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif. (Chain drive and double reduction.)
Detroit Automotive Products Corp., 8701 Grinnell Ave., Detroit 13, Mich. "No Spin." (Automatic locking for trucks.)
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dualoc Drive, Inc., 700 20th St., Rockford, Ill.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
Gear & Forge Div. of Clark Equipment Co., Horton & Tyson Sts., Jackson, Mich. (Truck.)
New Process Gear Co., 500 Plum St., Syracuse, N. Y.
Warren Gear Mfg. Co., Warren, Pa.

DIMMER, Headlight (Electronic)

Guide Lamp Div., General Motors Corp., Anderson, Ind.

DIRECTIONAL SIGNAL SWITCHES, See Switches, Direction Indicating Signal

DIRECTIONAL SIGNALS, See Signals, Direction Indicating

DISCS, Abrasive Grinding

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Armour & Co., Curled Hair & Coated Abrasives Div., N. Benton Rd., Alliance, Ohio.
Bay State Abrasive Products Co., 12 Union St., Westboro, Mass. "Dura Cut."
Behr-Manning Corp., 2752 Seifert St., Troy, N. Y. "Disker," "Metalite," "Mushroom," "Speed-Wet."
Besley-Welles Corp., 20 N. Wacker Drive, Chicago 6, Ill. "Besly-Titan."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. (Also sanding pads.)
Clover Mfg. Co., Norwalk, Conn.
Field Abrasive Mfg. Co., 14 N. Patterson Blvd., Dayton 2, Ohio.
Gardner Machine Co., 444 E. Gardner St., Beloit, Wis
Mid-West Abrasive Co, 510 S. Washington St., Owosso, Mich.
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn.
Norton Co., 1 New Bond St., Worcester 6, Mass.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Simonds Abrasive Co., Tacony & Fraley Sts., Philadelphia 37, Pa.

DISPENSERS, GREASE, See Lubricators, Portable (High Pressure)

DISSIPATORS, Energy (Brake Auxiliary)

Warner Electric Brake Mfg. Co., P. O. Box 620, Beloit, Wis.

DISTRIBUTOR PARTS, See Parts, Magneto, Coil and Distributor

DISTRIBUTORS, Ignition

Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Holley Carburetor Co., 5930 Vancouver Ave., Detroit 4, Mich.
Master Parts Div. Airtex Products, Inc., Fairfield, Ill.
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich. (Also combination governor and distributor.)
Paragon Products Corp., 140 Astor St., Newark 5, N. J.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.

DISTRIBUTOR TESTING INSTRUMENTS, See Instruments, Distributor Testing

DOLLIES, Axle

Curtiss & Smith Mfg. Co., 900 Water St., Pottstown, Pa.
Saginaw Products Corp., 68 Williamson St., Saginaw, Mich. (Trailer.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. (Rear.)

DOLLIES, Truck Wheel

Alexander-Tagg Industries, Inc., Jacksonville Rd. & Summit Ave., Hatboro, Pa. "A T L"
Dixie Tallyho Inc., Fairburn, Ga. "Tirematic."
Franklin Co., Bernard, Hedley & Bath Sts., Philadelphia 37, Pa.
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Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis 4, Ind. "Seal Line."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

DOOR OPENERS—See Openers, Bus Door

DOORS, Overhead (For Garage)

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Kirk & Blum Mfg. Co., 2901 Indiana Ave., Chicago, Ill.
Truk-A-Door Co., 2457 Woodward Ave., Detroit 1, Mich. (Overhead.)

DRAINERS, Crankcase Oil (Portable and Rapid Type)

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B. & G."
Bishman Mfg. Co., Osseo, Minn. (Hand.)
Chisholm Industries, Inc., 109 Central Ave., Lynn, Mass. "C. & D."
Choldun Mfg. Corp., 331 East St., New Haven, Conn.
Gray-Mills Corp., 3705 N. Lincoln Ave., Chicago, Ill.
Lostro Inc., 2930 E. Highland Ave., Cincinnati 12, Ohio.
Quick Charge, Inc., 1750 N. E. Tenth St., Oklahoma City 4, Okla. "Quick Lube."
Smith Mfg. Corp., Grover, 805 E. Valley Blvd., San Gabriel, Calif.
Wherry Engrg. Co., 3229 Morganford Rd., St. Louis 16, Mo.

DRAIN PLUGS, Crankcase

Agner Simplex Co., 106 Pine St., Burlington, Wis. "Simplex."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (Oversize.)
Chisholm Industries, Inc., Lynn, Mass.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Houser Engng. & Mfg. Co., Bluffton, Ind. (Oversize.)
Inter-Continent Mfg. Co., 117 E. 13th St., Chicago 5, Ill.
Lisle Corp., 809 E. Main St., Clarinda, Iowa. (Magnetic.)
Magnetic Drain Plug Co., Wellington, Ohio. (Magnetic.)
Tourek Mfg. Co., J. J., 1901 S. Kilbourn Ave., Chicago 23, Ill.
U. S. Plug & Fitting Co., 1807 22nd St., N. E., Canton 5, Ohio. (Magnetic.)
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa. (Oversize.)
Weatherhead Co., 300 E. 131th St., Cleveland 8, Ohio.

DRESSERS, Grinding Wheel

Abrasive Dressing Tool Co., 14528 2nd Blvd., Detroit 3, Mich. "Red Line."
Acme Diamond Tool Co., 15 Maiden Lane, New York 38, N. Y.
Carboloy Dept. General Electric Co., 11189 E. Eight Mile Drive, Detroit 32, Mich.
Desmond-Stephen Mfg. Co., 317 S. Walnut St., Urbana, Ohio.
Dessau Co., Maurice S., 535 Fifth Ave., New York 17, N. Y.
Diamond Drill Carbon Co., 53 Park Row, New York, N. Y.
Ex-Cell-O Corp., 1200 Oakman Blvd., Detroit 32, Mich.
Hanchett Mfg. Co., 906 N. State St., Big Rapids, Mich.
Industrial Diamond Co., 2392 Wolcott Ave., Ferndale 20, Mich.
J. & S. Tool Co., 477 Main St., East Orange, N. J. "Fluidmotion."
Koebel Diamond Tool Co., 9456 Grinnel Ave., Detroit 13, Mich. "Koebelite." (Diamond.)
Last Word Sales Co., 18500 Mt. Elliott Ave., Detroit 34, Mich.
Lee Co., K. O., Congress at First Ave., S. E. Aberdeen, S. D. "Knock Out."
Metal Carbides Corp., 107 E. Indianola Ave., Youngstown 7, Ohio. "Talide."
Moore Special Tool Co., 740 Union Ave., Bridgeport, Conn.
Pratt & Whitney Div., Niles-Bement- Pond Co., Charter Oak Blvd., W. Hartford, Conn. "Diaform."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Ross Mfg. Co., 6210 Carnegie Ave., Cleveland 3, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Standard Diamond Tool Corp., 64 W. 48th St., New York, N. Y.
Standard Tool Co., 3950 Chester Ave., Cleveland 14, Ohio.
Vincent Steel Process Co., 2424 Bellevue Ave., Detroit 7, Mich.
Vinco Corp., 9111 Schaeffer Highway, Detroit 28, Mich.
Wheel Trueing Tool Co., 3200 W. Davison Ave., Detroit 6, Mich. "Tru-Line," "Tru-Thread."

DRILL GRINDERS, See Grinder, Drill

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Dumore Co., 1300 17th St., Racine, Wis.
Leland-Gifford Co., 1001 Southbridge St., Worcester 3, Mass.
South Bend Lathe Works, 425 E. Madison St., South Bend 22, Ind.
Walker-Turner Div., Kearney & Trecker Corp., 639 South Ave., Plainfield, N. J.

DRILLS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Holgun."
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "Universal," "Hicycle" & "Supercycle."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Cummins Portable Tools Div. Cummins-Chicago Corp., 4740 W. Ravenswood Ave., Chicago 40, Ill.
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
Gilbert Co., A. C., New Haven 6, Conn.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Jones Motorola Corp., 432 Fairfield Ave., Stamford, Conn.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Kett Tool Co., 5 E. Third St., Cincinnati 2, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock-Out."
Louisville Electric Mfg. Co., 3008 Magazine St. Louisville, Ky. "Pioneer."
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill. "Mall Drill."
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis.
Misener Mfg. Co., 202 Walton St., Syracuse 2, N. Y.
Portable Elec. Tools, Inc., 320 W. 83rd St., Chicago 20, Ill. "Hi-Power," "Zephyr," "Super Duty."
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Signal Electric Mfg. Co., Menominee, Mich.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilDrill."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Stanley Electric Tool Div. of Stanley Works, 480 Myrtle St., New Britain, Conn. "Mighty Midget."
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Tipp Mfg. Co., 4th & Franklin Sts., Tipp City, Ohio. "Parker Trademaster." (Combination power hack saw and drill.)
United States Electrical Tool Div. Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio. "U. S."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

DRILLS, Portable Pneumatic

Air-Speed Tool Co., 1502 W. Slawson Ave., Los Angeles 47, Calif.
Aro Equipment Corp., Bryan, Ohio.
Brown Tool Mfg. Co., 9422 Trenton Ave., St. Louis 14, Mo. "Solar."
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York 17, N. Y. "CP."
Cleveland Pneumatic Tool Co., 3781 E. 77th St., Cleveland, Ohio. "Cleco."
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. "Ideal Air Horse."
Ingersoll-Rand Co., 1 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Master Pneumatic Tool Co., 145 Peniman Rd., Orwell, Ohio "Master Power."
Roto Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilDrill."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

DRILLS, Twist

Ace Drill Corp., 2600 E. Maumee St., Adrian, Mich.
Besly-Wells Corp., 20 N. Wacker Drive, Chicago 6, Ill.
Chicago Tool & Kit Mfg. Co., 667 W. Randolph St., Chicago 6, Ill.
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland, Ohio. "Cle-Forge."
Cogsdill Twist Drill Co., 12950 W. Eight Mile Rd., Detroit 21, Mich. "Black Panther," "Economy," "Handi-Pak." (Sets.)
Dixon, Inc., Wm., 32 E. Kinney St., Newark 1, N. J.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "GTD."
Keystone Reamer & Tool Co., Millersburg, Pa.
National Twist Drill & Tool Co., Rochester, Mich.
Nelco Tool Co., 266 Center St., Manchester, Conn.
New Britain Machine Co., 140 Chestnut St., New Britain, Conn.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Spiral Step Tool Co., 5400 N. Damen Ave., Chicago 25, Ill. (Spiral step.)
Standard Tool Co., 3950 Chester Ave., Cleveland 14, Ohio. "Shield Brand."
Threadwell Tap & Die Co., Greenfield, Mass.
Union Twist Drill Co., Monroe St., Athol, Mass.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Wendt-Sonis Co., Hannibal, Md. "W.-S." (Carbide tipped.)
Whitman & Barnes, Div. of United Drill & Tool Corp., Plymouth, Mich. "Blue Diamond," "Hercules."
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

DRIVER TESTING EQUIPMENT, See Testers, Driver

N. Salina St.,
ninee, Mich.
, Lynn, Mass.
Chicago 30, Ill.
h Ave., Keno-
nd Ave., Cicero
Stanley Works,
Conn. "Mighty
n Ave., Homer
St., Aurora, Ill.
Sts., Tipp City,
r." (Combina-
ill.)
Div. Emerson
adlay St., Cin-
uffalo 3, N. Y.

c
Slawson Ave.,
hio.
nton Ave., St.
pple St., Day-
E. 44th St.,
3781 E. 77th
k Ave., Syca-
New York 4,
Grand Haven,
Ave., Chicago
Peniman Rd.,
r."
ve., Cleveland
icago 30, Ill.
t., Aurora, Ill.

St., Adrian,
acker Drive,
567 W. Ran-
E. 49th St.,
V. Eight Mile
ck Panther,"
Sets.)
t., Newark 1,
Des Plaines,
nderson St.,
lersburg, Pa.
., Rochester,
Manchester,
Chestnut St.,
nt-Pond Co.,
Ford 1, Conn.
Damen Ave.,
Ave., Cleve-
nfield, Mass.
Athol, Mass.
Springfield 7,
d. "W.-S."
ted Drill &
"Blue Dia-
W. Vernor
See Testers,

LOS ANGELES—Wheel Industries, Inc.
LOUISVILLE—Auto Wheel & Rim Service
LUBBOCK—Southwest Wheel, Inc.
MEMPHIS—Beller Wheel, Brake & Supply Co.
MILWAUKEE—Stone Manufacturing Co.
MOLINE—Mutual Wheel Co.
NASHVILLE—Beller Wheel, Brake & Supply Co.
NEWARK—Automotive Safety Inc.
NEW HAVEN—Connecticut Wheel & Rim Co.
NEW ORLEANS—Southern Wheel & Rim Co.
NEW YORK—Wheels, Incorporated
OKLAHOMA CITY—Southwest Wheels, Inc.
OMAHA—Morgan Wheel & Equipment Co., Inc.
PEORIA—Peoria Wheel & Rim Co.
PHILADELPHIA—Thomas Wheel & Rim Co., Inc.
PITTSBURGH—Wheel & Rim Sales Co.
PORTLAND—Six Robblees', Inc.
PROVIDENCE—New England Wheel & Rim Company
RALEIGH—Carolina Rim & Wheel Co.
RICHMOND—Dixie Wheel Co., Inc.
ROCHESTER—Frey, the Wheelman, Inc.
SALT LAKE CITY—Henderson Rim & Wheel Service
SAN ANTONIO—Southwest Wheel & Equipment Co.
SAN FRANCISCO—Wheel Industries, Inc.
SEATTLE—Six Robblees', Inc.
SOUTH BEND—Wire & Disc Wheel Sales & Service
SPOKANE—Bearing & Rim Supply Co.
SPRINGFIELD, ILL.—Illinois Wheel & Brake Co.
SPRINGFIELD, MO.—Borbein, Young & Co.
ST. LOUIS—Borbein, Young & Co.
ST. PAUL—Wheel Service Co.
SYRACUSE—Colbourn Wheel & Rim Service, Inc.
TACOMA—Six Robblees', Inc.
TOLEDO—Wheel & Rim Sales Co.
WICHITA—Borbein, Young & Co.
WINSTON-SALEM—United-Automotive Service

EXPORT

CLEVELAND—C. O. Brandes, Inc.

CANADA

CALGARY—Mutual Supplies, Ltd.
EDMONTON—Alberta Wheel Distributors, Ltd.
MONTREAL—Auto Wheels & Supplies, Ltd.
TORONTO—Wheel & Rim Co. of Canada, Ltd.
VANCOUVER—Wheels & Equipment, Ltd.
WINNIPEG—Ft. Garry Tire Service Ltd.

DRIVERS, Bushing

Alvord-Polk Tool Co., 110 Gearhardt St., Millersburg, Pa. "Alpo." (Sets.)
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 801 S. Water St., Jackson, Mich.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis.
Indestro Mfg. Co., 2649 N. Kilare Ave., Chicago, Ill.
Mechanics Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
Miller Co., L. B., 394 State St., Stamford, Conn.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

DRUMS, Brake

Al-Fin Div., Fairchild Engine & Airplane Corp., Farmingdale, L. I., N. Y. (Aluminum fins bonded to cast iron.)
Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa. (Combination iron and steel.)
Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich. "Cannonite." (Sand cast.)
Copperweld Steel Co., Glassport Div., Glassport, Pa. (Pressed steel with copper fins.)
Crosby Co., 183 Pratt St., Buffalo, N. Y. (Pressed steel.)
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio.
Erie Malleable Iron Co. (Automotive Wheel Div.), 609 W. 12th St., Erie, Pa. (Cast alloyed iron.)
Frank Foundries Corp., 2020 Third St., Moline, Ill. "Frankite."
Gunite Foundries Corp., 302 Peoples Ave., Rockford, Ill.
Homan & Co., 511 Reading Rd., Cincinnati 15, Ohio.
Hunt-Spiller Mfg. Corp., 383 Dorchester Ave., South Boston 27, Mass. "Hunt-Spiller Air Furnace Gun Iron." (For buses or trucks.)
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Cal. "Kaloy." (For truck trailers.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. (Composite iron and steel.)
Lansing Stamping Co., So. Penn Ave., Lansing, Mich. (Pressed steel.)
Marathon Foundry & Machine Co., 1212 West St., Wausau, Wis.
Motor Castings Co., 1323 S. 65th St., West Allis, Wis.
Reynolds Mfg. Co., 600 Prospect Ave., Springfield, Mo. "Reyco." (Specially alloyed iron.)
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky. (Specially alloyed iron.)
Transue & Williams Steel Forging Corp., 600 Ely St., Alliance, Ohio. (Pressed steel.)

DRYING LAMPS, See Lamps, Drying, Baking and Heating

DYNAMOMETERS, Chassis Testing

Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. (Hydraulic.)
Mid-West Dynamometer & Engineering Co., 3100 River Rd., River Grove, Ill. (Electric and hydraulic.)
Nankervis Co., George L., 19255 W. Davison Ave., Detroit 23, Mich.
Otis Elevator Co., 260 11th Ave., New York 1, N. Y. "Otis Proving Stand."

DYNAMOMETERS, Engine Testing

Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Clayborne Mfg. Co., 429 N. Main St., Montecello, Ind.
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. (Hydraulic.)
Dynamatic Corp., 3307 14th Ave., Kenosha, Wis. (Eddy current.)
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y. "G-E." (Electric.)
Link Engrg. Co., 13845 Elmira Ave., Detroit 27, Mich.
Mid-West Dynamometer & Engineering Co., 3100 River Rd., River Grove, Ill. (Electric and hydraulic.)
Nankervis Co., George L., 19255 W. Davison Ave., Detroit 23, Mich.
Taylor Dynamometer & Machine Co., 6411 River Parkway, Milwaukee 13, Wis. "Hi-Eff."
Toledo Scale Co., Telegraph Rd., Toledo 1, Ohio.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.

ELECTRODES, Welding, See Rods, Welding

ELECTROLYTE, Battery Acid

American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N. Y. "Aero Brand."
du Pont de Nemours & Co., E. I., Grasselli Chemicals Dept., Wilmington 98, Del.
Gould-National Batteries, Inc., Industrial Div., 467 Calhoun St., Trenton 7, N. J.

EMERY CLOTH, See Sandpaper

ENAMELS (Synthetic Resin Base)

(See also Lacquers)

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Fleet-X-Namel."
Akron Paint & Varnish Co., 1390 Firestone Parkway, Akron 1, Ohio. "Bexco."
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Quix."
American Paint Co., 902 Larabee St., Chicago 10, Ill. "Dalax." (For commercial vehicles.)
American Varnish Co., 1138 N. Branch St., Chicago 22, Ill. "American," "Artspar."
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio. "Synite."
Automotive Finishes, Inc., P. O. Box 457, Northwestern Station, Detroit 4, Mich. "Fleet-Lux."
Baer Bros., 438 W. 37th St., New York, N. Y.
Beckwith-Chandler Co., Delancey & Rutherford Sts., Newark, N. J. "B/C," "Bexolin," "Glosset."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich.
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Synflex."
Bruning Bros., Inc., 4209 E. Chase St., Baltimore 5, Md.
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich. "Ditzco."
Donahue Varnish Co., F. J. 10586 Knodell Ave., Detroit, Mich. "Don-A-Lac."
du Pont de Nemours & Co., E. I., Finishes Div., Refinish Sales, Wilmington 98, Del. "Dulux."
Flood & Conklin Co., 132 Chestnut St., Newark 5, N. J.
Forbes Finishes Div., Pittsburgh Plate Glass Co., 3800 W. 143rd St., Cleveland 11, Ohio. "Synco," "Raybake."
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frostex."
Glidden Co., 11001 Madison Ave., Cleveland, Ohio.
Hilo Varnish Corp., 54 Stewart Ave., Brooklyn 6, N. Y.
Hock Paint & Chemical Works, Inc., Box 190, Phoenixville, Pa. "Metalock."
Horn Co., A. C., 10th St. & 44th Ave., Long Island City 1, N. Y.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago, Ill. "Illbronze."
Interchemical Corp., Murphy Paint Div., 224 McWhorter St., Newark 1, N. J. "Murphy."
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Interstate Enamel & Varnish Co., 323 W. 15th St., Indianapolis, Ind. "Realcoat."
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Lucoflint."
M-M-A, Inc., P. O. Box 411, Lancaster, Pa. "Spritzit Color-Spra."
McDougall-Butler Co., 2929 Main St., Buffalo 14, N. Y. "Hardcote."
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill. "Synthol."
Midland Paint & Varnish Co., 3801 E. 91st St., Cleveland 5, Ohio. "Hyspar."
Modern Paint Co., 305 Eastern Ave., Chelsea 50, Mass.
Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Morlux," "Morris."
Nason & Co., R. N., 151 Potrero Ave., San Francisco 3, Calif. "Glyko."
Oxidermo Products, Inc., Springport, Mich.
Pittsburgh Plate Glass Co., Paint Div., 2000 Grant Bldg., Pittsburgh 19, Pa. "Lavax."
Plastic-Kote, Inc., 425 Lakeside Ave., N. W., Cleveland 13, Ohio.
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich. "Per-max."
Seymour of Sycamore, Inc., 218 Lucas St., Sycamore, Ill. "Lustre."
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio. "Kem."
Standard-Toch Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Stantox."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
United Chromium, Inc., 100 E. 42nd St., New York 17, N. Y. "Unichrom."
V.E.P. Co., 440 E. Lafayette Ave., Detroit 26, Mich. "Ve-Kote."
Vita-Var Corp., 46 Albert Ave., Newark, N. J. "Vita-Lux."
Vulcan Varnish Co., 1108 W. Main St., Louisville, Ky.
Wilbur & Williams Co., 130 Lincoln St., Brighton, Mass. "Totrust."
Woolsey Paint & Color Co., C. A., 229 E. 42nd St., New York, N. Y.

ENGINES, Diesel (Truck and Bus)

Buda Co., 154th St. & Commercial Ave., Harvey, Ill. "Buda Lanova."
Continental Motors Corp., Muskegon 82, Mich. "Red Seal." (Truck, tractor, bus and marine.)
Cummins Engine Co., Fifth & Wilson Sts. Columbus, Ind.
Fageol Products Co., 789 Stow St., Kent, Ohio. "Fageol" & "Fageol-Leyland."
Hercules Motors Corp., 101 11th St., S. E. Canton 2, Ohio.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
P & H Diesel Engine Div., Harnischfeger Corp., 100 Lake St., Port Washington, Wis.
Waukesha Motor Co., E. St. Paul Ave., Waukesha, Wis. (Truck.)

ENGINES, Gasoline (Small)

Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis. (Single cylinder, 4-cycle air-cooled.)
Clinton Machine Co., Clinton, Mich.
Continental Motors Corp., Muskegon 82, Mich.
Cushman Motor Works, Inc., 920 N. 21st St., Lincoln, Neb.
Gladden Products Corp., 635 W. Colorado Blvd., Glendale 4, Calif. "Bee-Line."
Homelite Corp., Port Chester, N. Y.
Jacobsen Mfg. Co., 747 Washington Ave., Racine, Wis.
Kermath Mfg. Co., 5890 Commonwealth Ave., Detroit 8, Mich.
Kohler Co., Kohler, Wis. (Air cooled.)
Lauson Co., 1604 Michigan St., New Holstein, Wis.
Le Roi Co., 1706 S. 68th St., Milwaukee 14, Wis.
McCulloch Motors Corp., 6101 W. Century Blvd., Los Angeles 45, Calif.
Onan & Sons, Inc., D. W., University Ave., S. E. at 25th St., Minneapolis 14, Minn.
Power Products Corp., Grafton, Wis.
Reo Motors, Inc., 1331 So. Washington Ave., Lansing 20, Mich.
Sensation Mower, Inc., 7577 Burlington St., Ralston, Nebr.
Universal Motor Co., 487 Universal Drive, Oshkosh, Wis.
Waukesha Motor Co., E. St. Paul Ave., Waukesha, Wis.
Wisconsin Motor Corp., 1910 S. 53rd St., Milwaukee 14, Wis.

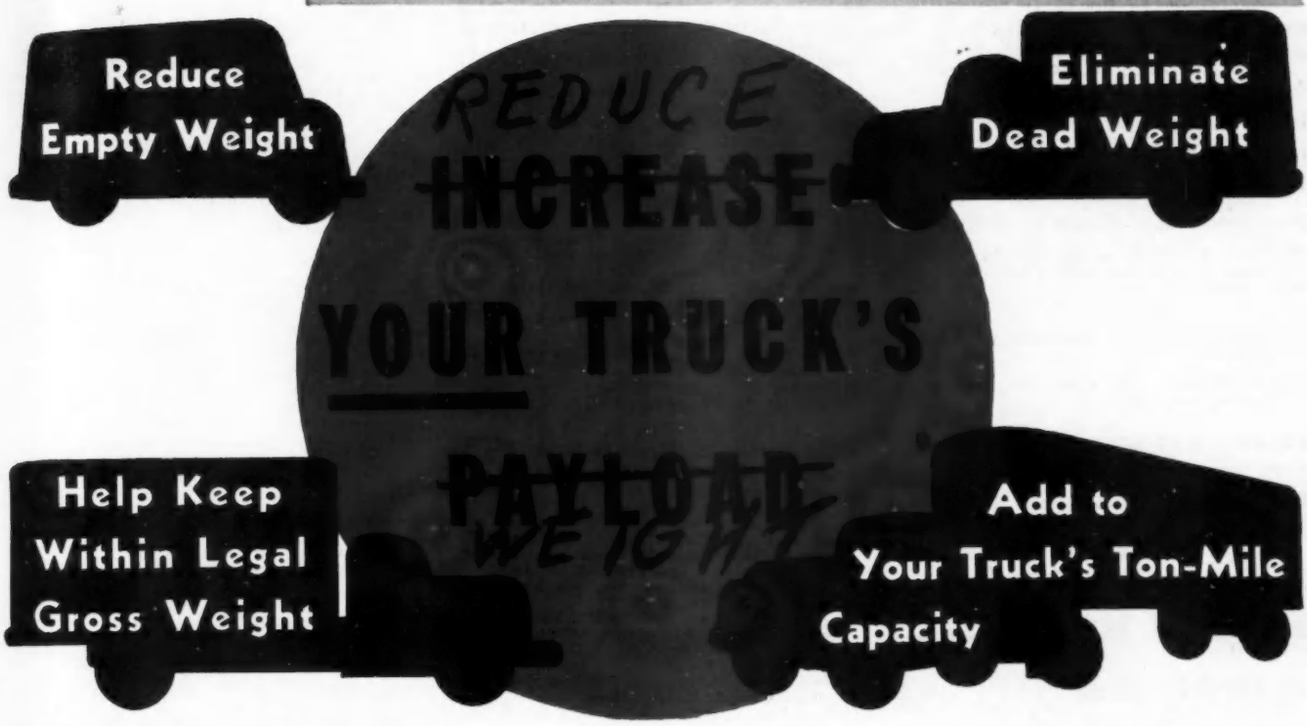
ENGINES, Gasoline (Truck and Bus)

(Covering independent engine manufacturers)

Aircooled Motors, Inc., Liverpool Rd., Syracuse 8, N. Y. "Franklin."
Brennan Motor Mfg. Co., 500 E. Water St., Syracuse, N. Y. (Truck.)
Buda Co., 154th St. & Commercial Ave., Harvey, Ill.
Continental Motors Corp., Muskegon 82, Mich. "Red Seal."
Fageol Products Co., 789 Stow St., Kent, Ohio.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E. Pontiac 11, Mich.

FLASH .... FLEET OPERATORS ARE PAYING A PREMIUM

OF ONE DOLLAR PER POUND FOR REDUCED TRUCK WEIGHT



A truck manufacturer says big fleet operators are offering $1.00 per pound for reduced truck weight — and that the use of lighter metals has reduced weights down to their lowest achievement point — within acceptable standards of life and wear. Because MECHANICS Roller Bearing UNIVERSAL JOINTS truck PROPELLER SHAFT is pounds lighter than other joints and shafts of comparable torque capacity — you can reduce the weight of *your* truck by specifying MECHANICS. Let MECHANICS engineers help reduce the weight and increase the payload capacity of *your* truck — and give it a competitive weight advantage — with a MECHANICS Roller Bearing UNIVERSAL JOINTS truck PROPELLER SHAFT application.

MECHANICS UNIVERSAL JOINT DIVISION
Borg-Warner • 2034 Harrison Avenue, Rockford, Illinois

ENGINES, Gasoline—*continued*

Hall-Scott Motor Div. of ACF-Brill Motors Co., 2850 Seventh St., Berkeley 10, Calif.
Hercules Motors Corp., 101 11th St., S. E. Canton 2, Ohio.
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Le Roi Co., 1706 S. 68th St., Milwaukee 14, Wis. (Bus)
Reo Motors Inc., 1331 S. Washington Ave., Lansing 20, Mich.
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.
Waukesha Motor Co., E. St. Paul Ave., Waukesha, Wis. (Truck, tractor and bus.)
Willys-Overland Motors, Inc., N. Cove Rd., Toledo 1, Ohio. (Truck.)

EXCHANGERS, HEAT, See Coolers, Oil Temperature

EXHAUST GAS INDICATOR, See Indicators, Carbon Monoxide

EXHAUST GAS REMOVING SYSTEMS

Brady Products Corp., 18th & Ebright Sts., Muncie, Ind.
Circo Equipment Co., 120 Central Ave., Clark (Rahway), N. J.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich. "Monoxivent."
National System of Garage Ventilation, Inc., 330 North Church St., Decatur, Ill.

EXHAUST PIPES, See Pipes, Tail and Exhaust

EXHAUST PROTECTOR

(For Vertical Stack)

Canton Cast Products Co., 2400 13th St., N. E., Canton, Ohio. "Cancap."

EXPANDERS, Piston Ring

American Hammered Automotive Replacement Division, 2001 Sanford St., Muskegon, Mich.
Antajen Industries, Ltd., 937 Post St., San Francisco 9, Calif. "Dri-Plex."
Burd Piston Ring Co., Tenth St. & 23rd Ave., Rockford, Ill. "Rollpex." (Expanding.)
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo. "Ramco."
Royal Piston Ring Co., Bath, N. Y.
Smalley Accessories Corp., 224 W. Huron St., Chicago, Ill.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

EXPANDERS, Piston Skirt (Inserts)

American Hammered Automotive Replacement Division, 2001 Sanford St., Muskegon, Mich.
Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Haling Co., 1061 First Ave., Rochester, Minn.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Luthy Co., F. A., 302 Cooper St., Jackson, Mich.
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind.
Roberts Mfg. Co., Rear 4104 Manchester St., St. Louis 10, Mo.
Simplex Piston Ring Mfg. Co., 3830 Kelly Ave., Cleveland 14, Ohio.
Thexton Mfg. Co., 1313 Winter St., Minneapolis 13, Minn.
Wel-Ever Piston Ring Co., Speilbusch Ave. nr. Jackson St., Toledo 1, Ohio. "Ezy Fit," "U-Flex."
Wherry Engineering Co., 3229 Morganford Rd., St. Louis 16, Mo. "Master Recams."
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

EXPANDERS, Piston Skirt (Machines)

American Hammered Automotive Replacement Division, 2001 Sanford St., Muskegon, Mich.
Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A. D. I." (Electric.)
Badger Mfg. Co., 2326 S. Indiana Ave., Chicago 16, Ill.
Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich. (Air operated hammers.)
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo. "Permasizer."
Master Products Mfg. Co., 3480 E. 14th St., Los Angeles 23, Calif.
Moog Piston Ring Co., Div. of Moog Industries, Inc., 6653 Easton Ave., St. Louis 14, Mo. "Moog Dynamizer."
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind. "Perfect Circle Nurlizer."
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo. "Ramconizer."
Watervliet Tool Co., 1349 Broadway, Albany 1, N. Y.
Wausau Motor Parts Co., 1003 Harrison Blvd., Wausau, Wis. "Precisionurl."
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

EXTINGUISHERS, Fire (Portable)

Allen Mfg. Co., 566 W. Lake St., Chicago, Ill.
American-LaFrance-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y. "Fire-Gun," "La France."
Ansul Chemical Co., Fire Extinguisher Div., Marinette, Wis. (Dry chemical.)
Anthes Force Oiler Co., Ft. Madison, Iowa.
Badger Fire Extinguisher Co., 624 Somerville Ave., Somerville, Mass.
Beacon Devices, Inc., 74 Olive St., North Tonawanda, N. Y. "Tireflator," "Jumbo Tireflator." (Portable units, inflates tires or extinguishes fires.)
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn. "Hero."
Buffalo Fire Appliance Corp., 221 Crane St., Dayton 1, Ohio.
C-O-Two Fire Equipment Co., P. O. Box 390, Newark 1, N. J.
Diener Mfg. Co., Geo. W., 400 Monticello Ave., Chicago 24, Ill.
Dietz Co., R. E., 225 Wilkinson St., Syracuse, N. Y.
Fire-Killer Mfg. Co., 107 N. Franklin St., Syracuse 1, N. Y.
Fyr-Fyter Co., 221 Crane St., Dayton, Ohio.
General Detroit Corp., 2272 E. Jefferson St., Detroit 7, Mich. "General Quick Aid Fire Guards." (Eastern United States.)
General Pacific Corp., 1501 E. Washington Blvd., Los Angeles, Calif. "General Quick Aid Fire Guards."
Justrite Mfg. Co., 2061 No. Southport Ave., Chicago 14, Ill.
Kent Extinguisher Co., 830 Front St., N. W., Grand Rapids, Mich. "Pistol-Grip."
Kidde & Co., Inc., Walter, 675 Main St., Belleville 9, N. J. "Kidde."
Merlite Industries, Inc., 201 E. 16th St., New York 17, N. Y. "Presto."
Plasti-Kote, Inc., 425 Lakeside Ave., N. W., Cleveland 13, Ohio. "Sprazit."
Power Pak Products, Inc., 43 Pearl St., Buffalo 2, N. Y.
Pyrene Mfg. Co., 560 Belmont Ave., Newark 8, N. J.
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Safety Fire Extinguisher Co., 293 7th Ave., New York 1, N. Y.
Snyder & Son, M. L., Inc., 1827 E. York St., Philadelphia 25, Pa. "Stempel."
Stop-Fire, Inc., 125 Ashland Pl., Brooklyn 1, N. Y.
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn.

EXTRACTORS, Bolt and Screw

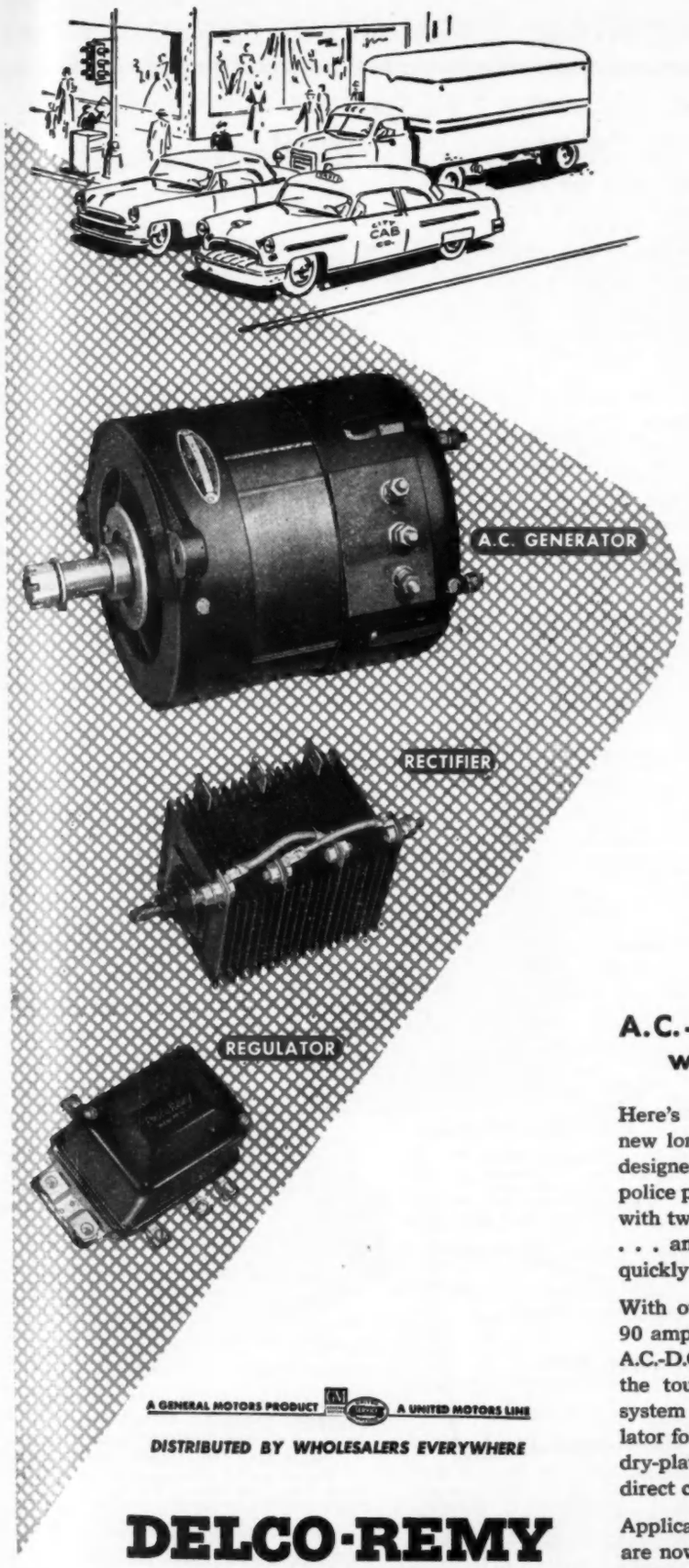
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
C. & G. Wheel Puller Co., Scio, N. Y. (Stud.)
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio. "Ezy-Out."
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "Little Giant."
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome,"
Keystone Reamer & Tool Co., Millersburg, Pa.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin." (Screw.)
Miller Co., L. B., 394 State St., Stamford, Conn. (Stud.)
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P & C Hand Forged Tool Co., Box 5926, Milwaukee, Wis.
Proto Tools, 2209 Santa Fe Ave., Los Angeles, Calif. "Proto."
Quality Tools Corp., Railroad St., New Wilmington, Pa. "Oldforge."
Reps Tool Co., Box 5, Elmwood Branch, Hartford 10, Conn (Also stud.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Titan Tool Co., E. Main St., Fairview, Pa. "Titan-Kirkland." (Stud.)
Van Norman Co., 3640 Main St., Springfield 7, Mass (Screw.)
Vermont Tap & Die Corp., Main & Grove Sts., Lyndonville, Vt. (Screw.)
Whitman & Barnes Div. of United Drill & Tool Corp., Plymouth, Mich. (Screw.)
Wilde Drop Forge & Tool Co., 2938 Fairmount Ave., Kansas City, Mo. (Stud.)
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. (Stud.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W.-Nelson."
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Lefty."
Wright Tool & Forge Co., 42 E. State St., Barberton, Ohio.
Zim Mfg. Co., 3037 Carroll Ave., Chicago 12, Ill. (Stud.)

EXTRACTORS, Bushing

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio.
Atmars-Mechanico, 3651 Lakeshore Ave., Oakland 10, Calif.
Beard Tool Co., L. O., Andrew & Friel Sts., Lancaster, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Cornwall Quality Tools Co., Mogadore, Ohio.
Crozier Machine Tool Co., 684 N. Prairie Ave., Hawthorne, Calif.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Greb Co., 181 Canton St., Stoughton, Mass.
Ideal Mfg. Co., 2649 N. Kildare St., Chicago, Ill.
Jibo Tool Co., 139 N. Mead St., Wichita, Kan.
Kent Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
National Machine Works, Inc., 1800 S. Broadway, Oklahoma City 9, Okla.
Owantonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Ullmo Tool Co., 1561 E. 27th St., Cleveland, Ohio. "Double B & B."
Zim Mfg. Co., 3037 Carroll Ave., Chicago 12, Ill. (Horn.)

FABRIC, Coated Cloth (For Curtains, Seat Covers, Tops and Upholstery)

Admiral Fabrics Co., 22 E. 21st St., New York 10, N. Y. (Plastic coated.)
Athol Mfg. Co., 71 Chestnut Hill Ave., Athol, Mass. "Terek," "Terson." (For curtains and upholstery.)
Blossom Mfg. Co., 915 Broadway, New York 10, N. Y. (For curtains.)
Burlington Mills, Inc., Burlington, Wis. "Bur-Tex." (Plastic coated, for kick plates, dash seals, floor covering.)
Carpenter & Co., L. E., 170 N. Main St., Wharton, N. J. "Lactrex," "Victrex." (Vinyl; sole distributors, A. J. Auchterlonie & Son, Inc., 668 Pallister Ave., Detroit 2, Mich.)
Columbus Coated Fabrics Corp., 7th & Grant Aves., Columbus 16, Ohio. (For upholstery and trim.)
Connecticut Hard Rubber Corp., 407 East St., New Haven 9, Conn. "Cohrlastic."
Cotan Corp., 331 Oliver St., Newark 5, N. J. "Co Hyde." (For seat covers, tops and upholstery.)
Duncan Co., W. H., 319 Broadway, New York 7, N. Y. "Dunotex."
du Pont de Nemours & Co., E. I., Fabrics Div., Empire State Bldg., New York 1, N. Y. ("Teal" Rubberized; "Fabrikoid" Pyroxylin coated for trim; "Fabrilite" Vinyl plastic coated for upholstery or trim.)



Right for the Job!

New DELCO-REMY ALTERNATING CURRENT GENERATOR

(ALTERNATOR)

A.C.-D.C. charging system for vehicles with extra-heavy electrical loads

Here's the answer for "problem" vehicles—Delco-Remy's new long-lived A.C.-D.C. charging system! It's specifically designed to meet the *extra*-heavy electrical demands of police prowl cars, big city taxis, and other vehicles equipped with two-way radio, floodlights or any extra electrical units . . . ample current reserve picks up discharged battery quickly in operation.

With output ranging from 30-40 amperes at curb idle to 90 amperes at higher engine speeds, the new Delco-Remy A.C.-D.C. charging system meets all electrical needs under the toughest operating conditions. Included in the new system is the A.C. generator (alternator), a matching regulator for accurate voltage control and a rugged, dependable dry-plate rectifier which converts generator A.C. output to direct current.

Application packages for popular makes of cars and trucks are now available. The conversion job is simple, complete and profitable. For further details and for application data, call on your nearest United Motors distributor.

A GENERAL MOTORS PRODUCT — A UNITED MOTORS LINE

DISTRIBUTED BY WHOLESALERS EVERYWHERE

DELCO-REMY

Division, General Motors Corporation
Anderson, Indiana

WHEREVER WHEELS TURN OR PROPELLERS SPIN

FABRIC, Coated Cloth—*continued*

Duro-Gloss Rubber Co., 30 Lenox St., New Haven, Conn. (Rubber, pyroxylin and synthetic resin coated.)
Federal Leather Co., 681 Main St., Belleville 9, N. J. "Fedball," "Fedcarriage," "Fedseat," "Fedistron" & "Federan."
Goodall-Sanford, Inc., Reading Div., Reading, Mass. "Redo." (Upholstery.)
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio. "Koroseal."
Gordon, B., & Co., 141 West 17th St., New York 11, N. Y.
Haartz Auto Fabric Co., 3 Bridge St., Newton 58, Mass. "Jonarts Cleaneasy," "Jonarts Harmony." (For tops and decking.)
Haartz-Mason, Inc., Mechanical Products Div., Watertown 72, Mass. (For truck tarpaulins, engine covers, etc.)
Hettrick Mfg. Co., Summit & Magnolia Sts., Toledo, Ohio.
Joanna-Western Mills Co., 22nd & Jefferson Sts., Chicago, Ill. (Plastic coated for upholstery trim and seat cover.)
Landers Corp., Buckingham & Blucher Sts., Toledo 1, Ohio. ("Karavan" & "Olympia" for convertible tops; "Watertyte" for top decks; "Versilan" for upholstery; "Resilon" for seat cover trim, door panels, etc.)
Masland Duraleather Co., Amber & Willard Sts., Philadelphia 34, Pa. "Durasol."
Mt. Vernon-Woodberry Mills (Turner Halsey Co., Sales Agent, 40 Worth St., New York, N. Y.)
Niagara Fabric Mfg. Co., 161 Grand St., New York 13, N. Y. (Top and decking.)
St. Clair Rubber Co., 440 Jefferson Ave., E. Detroit 26, Mich. "Clair-Tex."
Textileather Corp., 607 Madison Ave., Toledo 3, Ohio. ("Textileather" Pyroxylin coated for upholstery and trim; "Trolex" vinyl coated for upholstery and trim; "Elastic Tolex" vinyl coated knit.)
Turner Halsey Co., 40 Worth St., New York, N. Y.
Tower Co., A. J., 24 Simmons St., Boston 20, Mass. "Tower Proof."
Twitchell, Inc., E. W., Third & Somerset Sts., Philadelphia 33, Pa. "Textilene Plastistrand." (Plastic coated, for seat covers.)
United States Rubber Co., Coated Fabrics Div., Mishawaka, Ind. "U. S. Naugahyde."

FABRICS, Uniform

Reeves Brothers, Inc., 54 Worth St., New York 13, N. Y.
Metcalf Bros. & Co., Inc., 45 E. 17th St., N. Y., N. Y.

FACINGS, Clutch (Asbestos)

American Brakeblok Div., American Brake Shoe Co., 4600 Merrit Ave., Detroit 9, Mich.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Atlas Asbestos Co., North Wales, Pa.
Gatke Corp., 228 N. LaSalle St., Chicago 1, Ill.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. "J-M."
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
National Brake Block Corp., 79 Madison Ave., New York, N. Y.
Raybestos Div. of Raybestos-Manhattan, Inc. 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J.
Russell Mfg. Co., E. Main St., Middletown, Conn. "Rusco."
Scandinavia Belting Co., 248 Central Ave., Newark 1, N. J.
Thermoid Co., 200 Whitehead St., Trenton 6, N. J.
World Bestos Div. of Firestone Tire & Rubber Co., S. 25th St., New Castle, Ind.

FACINGS, Clutch (Metallic)

Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc. 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Wellman Co., S. K., 200 Egbert Rd., Bedford, Ohio.

FAN BELTS, See Belts, Fan

FANS, Defrosting and Ventilating

Chemex Corp., 41 Murray St., New York 7, N. Y.
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill. (For trucks and buses.)
Diehl Mfg. Co., Finderme Plant, 1011 Finderme Ave., Somerville, N. J. (Ventilating for buses.)
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn, N. Y.
Evans Products Co., Plymouth, Mich.
Lydon-Bricher Mfg. Co., 2500 University Ave., St. Paul 4, Minn. "McKay." (For buses and trucks.)
Roto-Beam, 1755 N. Keeler St., Chicago 39. Ill.
Schwitzer-Cummins Company, 1125 Massachusetts St., Indianapolis 7, Ind.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Torrington Mfg. Co., Franklin St., Torrington, Conn. "Aristocrat."
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. (Vacuum, defrosting.)

FANS, Exhaust Drying

American Blower Corp., Detroit 32, Mich. "ABC," "ABC Sirocco."
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y. "Kellogg-American."
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Buffalo Forge Co., 490 Broadway, Buffalo 4, N. Y.
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Clarage Fan Co., North & Porter Sts., Kalamazoo, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, O.
Emerson Electric Mfg. Co., 8100 Florissant Ave., Detroit 21, Mich.
Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago, Ill.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio. "K & B."
M & E Mfg. Co., 2571 Winthrop Ave., Indianapolis 6, Ind.
Spray Engineering Co., 114 Central St., Somerville 45, Mass. "Spraco."
Westinghouse Electric Corp., Sturtevant Div., 15 Damon St., Hyde Park, Boston 36, Mass.

FANS, Radiator

De Bothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill. "De Bothezat."
Eaton Mfg. Co., 739 E. 40th St., Cleveland 10, Ohio.
Evans Products Co., Plymouth, Mich.
Hayes Industries, Inc., Wildwood & Fern Aves., Jackson, Mich. "Autofan."
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog." (For Ford and Chevrolet cars.)
Schwitzer-Cummins Co., 1125 Massachusetts Ave., Indianapolis 7, Ind. "Hy Duty." (Thermatic fan drive.)
Service Products Corp., 201 S. Rural St., Indianapolis 1, Ind.

FASTENERS, Sheet Metal

Champ Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Dzus Fastener Corp., P. O. Box 185, Babylon, L. I., N. Y.
Lamson & Sessions, 1971 W. 85th St., Cleveland, Ohio.
Prestole Corp., 1351 Miami St., Toledo 5, Ohio.
Simmons Fastener Corp., N. Broadway, Albany, N. Y. "Dual-Lock," "Link-Lock," "Quick Lock," "Spring Lock."
South Chester Corp., 1418 South Penn Square, Philadelphia 2, Pa. "Southco."
Steck Mfg. Co., 1312 Bolander Ave., Dayton 8, Ohio. (For fenders.)
Tinnerman Products, Inc., 8700 Brookpark Rd., Cleveland, Ohio. "Speed Nuts."
United-Carr Fastener Corp., 31 Ames St., Cambridge 42, Mass.

FELT, INSULATING, See Insulation, Felt, Hair, Paper, etc.

FENDERS

Bath Co., Cyril, Metal Form Div., 32280 Aurora Rd., Salon, Ohio.
Binkley Mfg. Co., Warrenton, Mo. (Truck.)
Budd Mfg. Co., Edw. G., Hunting Park Ave. & 25th St., Philadelphia, Pa.
Champion Sheet Metal Co., 2 Squires St., Cortland, N. Y. (Truck.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Foxcraft Products Co., 3235 N. 22nd St., Philadelphia 40, Pa. (Auto.)
Hart Metal Products Corp., 3333 Hammond Ave., Elkhart, Ind.
Kirk & Blum Mfg. Co., 3119 Forrer St., Cincinnati 9, Ohio. "K. & B." (Bus and truck.)
Metal Auto Parts Co., Chase & Henry Sts., Indianapolis 7, Ind.
Motor Metal Mfg. Co., 5936 Milford Ave., Detroit 10, Mich.
Mullins Mfg. Corp., 605 S. Ellsworth St., Salem, Ohio.
Murray Corp. of America, 7700 Russell St., Detroit 11, Mich.
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio. (Bus, truck and fire engines.)
Saginaw Sheet Metal Parts Corp., 2064 E. Genesee Ave., Saginaw, Mich. (Truck.)
Stolper Steel Products Corp., 300 Tipp St., Menomonee Falls, Wis.
York Corrugating Co., Adams St. & W. Md. R. R., York, Pa. (Truck and trailer.)

FIFTH WHEEL, See Wheels, Fifth

FILES, Contact Point

Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Heller Bros. Co., 865 Mt. Prospect Ave., Newark, N. J.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Miller Co., L. B., 394 State St., Stamford, Conn.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
New Britain Machine Co., South St., New Britain, Conn.
Nolvex File Co., 10329 Detroit Ave., Cleveland 2, Ohio.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Rinck-McIlwaine Inc., 16 Hudson St., New York 13, N. Y.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Tacony File & Hardware Co., 2814 N. Fourth St., Philadelphia 33, Pa. "Contacto," "Tungsto," "Taconite," "Tacony," "Vim."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

FILTERS, AIR, See Cleaners, Air

FILTERS, Coolant

American Octanator Corp., 2107 Industrial Trust Bldg., Providence, R. I. "Gazda Derusticator." (Magnetic.)
Fram Corp., Providence 16, R. I.
Perry Co., 840 Cooper St., Camden 2, N. J.

FILTERS, Diesel Fuel

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Air-Maze Corp., 25000 Miles Rd., Cleveland 28, Ohio.
American Bosch Corp., 3664 Main St., Springfield 7, Mass.
Briggs Filtration Co., Automotive Div., River Road, Washington 16, D. C.

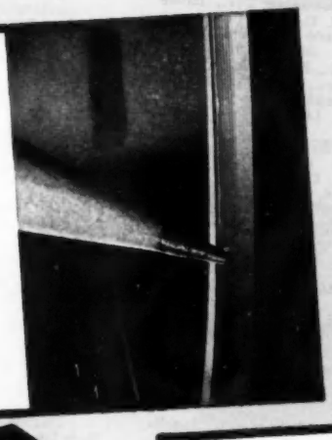
FLEET OWNERS, MAINTENANCE MEN—

Here's a ring set specifically designed to eliminate sludge clogged oil rings and springs!

AMERICAN HAMMERED

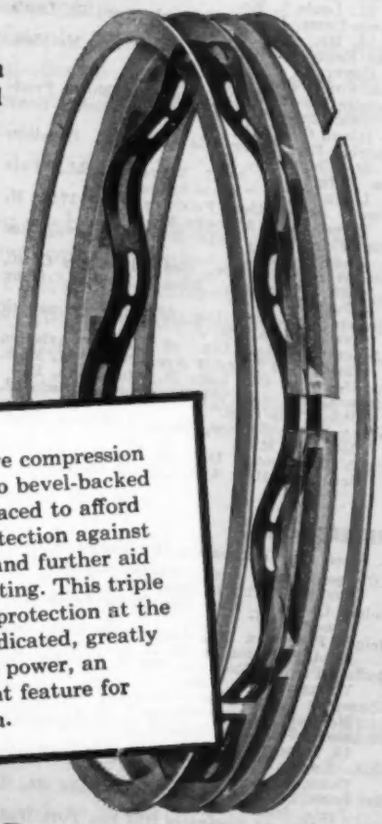
Pre-seated* Krome-Oil

PISTON RING SETS

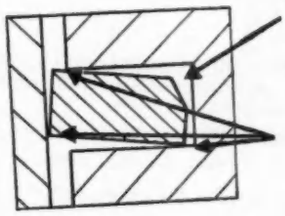


* This smooth, even bearing of narrow land contact is the result of factory-applied pre-seating process which is equivalent to 300 to 500 miles of actual engine operation. Assures instant oil control.

The free-flowing spring in the American Hammered Krome-Oil Ring Set has more oil slots than any other on the market. This unique design eliminates clogging. Efficient oil drainage is also provided by funnel-shaped channel in spacer.



Smart new blue and yellow American Hammered Krome-Oil carton is the quality mark in the automotive piston ring replacement field. Krome-Oil licks fleet maintenance problems.



Top groove compression ring is also bevel-backed or taper-faced to afford triple protection against blow-by and further aid quick seating. This triple blow-by protection at the points indicated, greatly increases power, an important feature for fleet men.

For the best in fleet maintenance
Remember American Hammered
POWER-PLUS SERVICE
Koetherizing • G1-60 Groove Insert
Dry Film Lubricant

American Hammered
AUTOMOTIVE REPLACEMENT DIVISION
2001 Sanford Street, Muskegon, Michigan
Manufacturers of American Hammered Automotive Replacement Piston Rings

FILTERS, Diesel Fuel—*continued*

Commercial Filters Corp., 2 Main St., Melrose 76, Mass. "Fulflo."
DeLuxe Products Corp., 1435 Lake St., La Porte, Ind.
Fram Corp., Providence 16, R. I.
Hilliard Corp., 113 W. Fourth St., Elmira, N. Y. "Hilco."
Luber-Finer, Inc., 2514 S. Grand Ave., Los Angeles 7, Calif.
Michiana Products Corp., Sheet Steel Div., Michigan City, Ind.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
Sparkler Mfg. Co., Lake St., Mundelein, Ill.
Truck Accessories Co., 2512 W. Olympic Blvd., Los Angeles 6, Calif. L. A. 6 "Tacco" Lifetime.
W. G. B. Oil Clarifier, Inc., 139 Cornell St., Kingston, N. Y.
Winslow Engineering Co., 4069 Hollis St., Oakland 8, Calif.

FILTERS, Gasoline

AC Spark Plug Div., General Motors Corp., 1330 N. Dort Highway, Flint 2, Mich.
Airtex Automotive Div., Airtex Products Inc., Fairfield, Ill. (Equipped with damper.)
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Autopulse Corp., 218 E. Dowland St., Ludington, Mich.
Carter Carburetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo.
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Cuno Engrg. Corp., 80 S. Vine St., Meriden, Conn.
Fram Corp., Providence 16, R. I.
Hygrade Products, Div. Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J. "Micro-Bronze."
Klemm Automotive Products Co., 1718 N. Damen Ave., Chicago 47, Ill.
Luber-Finer, Inc., 2514 S. Grand Ave., Los Angeles, Calif.
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Durex."
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
Sparkler Mfg. Co., Lake St., Mundelein, Ill.
Tillotson Mfg. Co., 761 Berdan St., Toledo 12, Ohio. "Fil-Trap."
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich.

FILTERS, Oil

(See also Reclaimers, Crankcase, Oil)

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Bolser Corp., S. Main St., Cedar Falls, Iowa. "Re-Pak-It."
Briggs Filtration Co., Automotive Div., River Road, Washington 16, D. C.
Buffalo Pressed Steel Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Champion Laboratories, Inc., 122 Charles St., Meriden, Conn. "Champ."
Commercial Filters Corp., 2 Main St., Melrose 76, Mass. "Fulflo."
Cuno Engrg. Corp., 80 S. Vine St., Meriden, Conn.
De Luxe Products Corp., 1435 Lake St., La Porte, Ind.
Filtors, Inc., 30 Sagamore Hill Dr., Port Washington, L. I., N. Y.
Fram Corp., Providence 16, R. I. "Col-Pak," "Fram Filcrom."
General Filters, Inc., 12890 Westwood Ave., Detroit 23, Mich.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Neb.
Henderize, Inc., 5667 Freeport Blvd., Sacramento, Calif. "Tissu-Pak."
Hilliard Corp., 113 W. 4th St., Elmira, N. Y. "Hilco."
Hutchens Industries, Inc., 1206 Hastings Way, Eau Claire, Wis.
Luber-Finer, Inc., 2514 S. Grand Ave., Los Angeles 7, Calif.
Mac Kenzie Muffler Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Michiana Products Corp., Sheet Steel Division, Michigan City, Ind. "H-W-Filter," "Michiana."
Nugent & Co., Wm. W., 410 W. Hermitage Ave., Chicago 22, Ill.
Oilpure Refiner Sales Co. (Oil Refiner), 507 Fifth Ave., New York, N. Y.
Pick Mfg. Co., West Bend, Wis.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Reclaimo Mfg. Co., 5083 Elston Ave., Chicago, Ill. "Re-Claimo."
South Gate Brake Specialties Co., 3356 E. 14th St., Los Angeles 23, Calif. "Filcoolator."
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
Truck Accessories Co., 2512 W. Olympic Blvd., Los Angeles 6, Calif. L.A. 6 "Tacco" Lifetime.
W. G. B. Oil Clarifier, Inc., 139 Cornell St., Kingston, N. Y.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis. "Walker Laminar."
Winslow Engineering Co., 4069 Hollis St., Oakland 8, Calif.
Wix Accessories Corp., 1211 Ozark St., Gastonia, N. C.

FILTERS, Oil Refills

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Air Cleaner Service Co., 1717 S. Acoma St., Denver 10, Colo. "Cyclone."
Bolser Corp., S. Main St., Cedar Falls, Iowa.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Briggs Filtration Co., Automotive Div., River Rd., Washington 16, D. C.
Buffalo Pressed Steel Co., 460 N. Meridian St., Youngstown 9, Ohio.
Campbell Filter & Mfg. Co., Rumford, R. I.
Champion Laboratories, Inc., 122 Charles St., Meriden, Conn. "Champlab."
De Luxe Products Corp., 1435 Lake St., La Porte, Ind.
Filtors, Inc., 30 Sagamore Hill Dr., Port Washington, L. I., N. Y. (Sole distributors, Bowman Products Co., Cleveland 3, Ohio.)
Fram Corp., Providence 16, R. I. "Fram Filcron."
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Hutchens Industries, Inc., 1206 Hastings Way, Eau Claire, Wis.
Mac Kenzie Muffler Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Pick Mfg. Co., West Bend, Wis.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Refill Filter Co., 120 Rhode Island Ave., East Orange, N. J. "Refilco."
W B G Oil Clarified Co., 139 Cornell St., Kingston, N. Y.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Winslow Engineering Co., 4069 Hollis St., Oakland 8, Cal.
Wix Accessories Corp., 1211 Ozark, Gastonia, N. C.

FILTERS, Oil (Transmission)

Fuller Mfg. Co., Transmission Div., Prouty St., Kalamazoo 13F, Mich.

FIRE ENGINES, See Trucks, Fire

FITTINGS, Tube, See Tube Fittings

FLAPS, Fender, See Guards, Splash

FLARES, Highway Lighting

American Automatic Devices Co., Throop St., Chicago 7, Ill. "King Bee Ace," "King Bee Fuel-Tite," "King Bee Special." (Oil burning.)
Anthes Force Oiler Co., Ft. Madison, Iowa. (Oil burning and electric; also fuses.)
Arrow Safety Device Co., Mt. Holly, N. J. (Oil burning; also fusees.)
Bolser Corp., S. Main St., Cedar Falls, Iowa. (Oil burning.)
Busch & Co., A. G., 2632 N. Central Ave., Chicago 39, Ill. "Safety-Flare." (Plugs into cigar lighter.)
Carpenter Mfg. Co., Sidney & Erie Sts., Cambridge, Mass. "Carpenter Master-Lites." (Electric and electric flasher type.)
Delbar Products, Inc., 7th & Spruce Sts., Perkasie, Pa. (Also fuses.)
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (Oil burning, also fusee type.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. (Electric and kerosene.)
Emarco Corp., Far Hills Station, Dayton 9, Ohio. "Tharo-Flare."
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky. (Oil burning.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio. (Oil burning and electric; also fusees.)
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Kilgore, Inc., Westerville, Ohio. "International." (Fusees.)
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Calif.
Standard Railway Fusee Corp., Signal Flare Div., Box 30-C, Needham Heights 94, Mass. (Fusees.)
Toledo Pressed Steel Co., 397 Phillips Ave., Toledo, Ohio. (Oil burning; also fusees.)
Turnsignal Corp., 400 E. Rittenhouse St., Philadelphia 44, Pa. "Turnco." (Electric.)
U-C Lite Mfg. Co., 1050 W. Hubbard St., Chicago 22, Ill. "Big Beam."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Oil burning.)

FLARING TOOLS, See Tools, Tube Flaring

FLASHERS, for Directional Signals

Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Signal-Stat Corp., Signal-Stat Bldg., 523 Kent Ave., Brooklyn 11, N. Y. "Signal-Stat," "Flarestat." (Emergency, for disability parking.)
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich.
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.
Tung-Sol Electric, Inc., 95 8th Ave., Newark 4, N. J.

FLEET RECORDS, See Forms

FLOOR COVERINGS, See Covering, Floor

FLOOR RESURFACERS, See Resurfacers, Floor

FLOORING, Truck & Trailer

Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. (Aluminum.)
American Abrasive Metals Co., 460 Coit St., Irvington 11, N. J. "Alumalun," "Bronzalun," "Feralun," "Nicalun."
Consolidated Water Power & Paper Co., Ahdawagam Div., P. O. Box 50, Wisconsin Rapids, Wis. "Consoweld." (Plastic.)
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. (Magnesium.)
Great Lakes Steel Corp., Ecorse, Detroit 29, Mich. (Steel.)
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill. "Inland 4-Way." (Steel.)
Reynolds Metals Co., Louisville 1, Ky. (Aluminum.)
Ryerson & Son, Inc., Joseph T., 16th & Rockwell Sts., Chicago, Ill.; also 1600 E. Euclid Ave., Detroit, Mich.

FLUID, Hydraulic Brake and Shock Absorber

Aldridge Industrial Oils Inc., 3401 W. 140th St., Cleveland 11, Ohio. "Kelco." (Brake.)
Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill.
Carbide & Carbon Chemical Co. (A Div. of Union Carbide & Carbon Corp.), 30 E. 42nd St., New York, N. Y. "Ucon," "Cellosolve" & "Carbitol." (Brake.)
Chicago Hydraulic Oil Co., 371 E. 116 St., Chicago 28, Ill. "Brakrite" & Safe-Brake" (Brake); "Shockoyl," "Hijoyl," "Lojoyl" (shock absorber).
Drew & Co., E. F., (Automotive Chemicals Div.), 15 E. 26th St., New York, N. Y. "Ameroid."
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 18, Minn.
Eis Automotive Corp., Middletown, Conn. (Brake.)

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AFTER ABOUT 24,144 MILES USING GULFLUBE MOTOR OIL X.H.D.

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(A HIGH DETERGENT OIL) *

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ADDRESS_____

FLUID, Hydraulic Brake and Shock Absorber—*continued*

Farback Chemical Co., Chase & Dane Sts., Cincinnati 23, Ohio. "Hy-Bra."
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. ("Alrite," "Fidelity," "Hydro-Loc" brake.)
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Grizzly Mfg. Co., 700 W. Caroline St., Paulding, Ohio.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Loreman Products, Moore & Division Sts., Salisbury, Md. (Brake.)
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Delco." (Brake.)
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K." (Brake.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Brake.)
Octagon Process Inc., 15 Bank St., Staten Island 1, N. Y.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Penetone Co., 74 Hudson Ave., Tenafly, N. J. (Brake.)
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Porte Mfg. Co., 3179 Atlantic Ave., Brooklyn 8, N. Y. "Porto."
Prairie States Oil & Grease Co., Danville, Ill. (Sole distributors, Petroleum Chemicals Co., Tilton Rd., Danville, Ill.)
Purfex Mfg. Co., Box 118, Collegeville, Pa. (Brake.)
Puritan Co., 961 Lyell Ave., Rochester 6, N. Y.
Radiator Specialty Co., 1700 Dowd Rd., Charlotte 1, N. C. "Supen A." (Brake.)
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Sinclair Refining Co., 600 Fifth Ave., New York, N. Y. (Brake.)
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobilfluid." (Brakes.)
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio.
Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa. "Sunoco." (Shock absorber.)
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J. (Brake.)
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 6, Mo. "Z-4."
United Motor Service, United States Aviex Co., 1350 Maple St., Niles, Mich. (Brake.)
V-O Mfg. Co., 13245 Sherman Ave., North Hollywood, Calif.
Van Cleef Bros., Inc., Woodlawn Ave., 77th to 78th St., Chicago 19, Ill. "Dutch Brand."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Lockheed." (Brake.)
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Warwick Laboratories Co., 334 Cleveland St., Brooklyn 8, N. Y. "Warco."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.

FLUID, Starting (For Diesels)

California Oil Co., The, Barber, N. J. "Chevron."

FLUSHERS, Crankcase

Hydro-Air Cleaning Systems, Inc., 11811 Miles Ave., Cleveland 5, Ohio.
K. & W. Products, Inc., 8819 Allport Ave., Whittier, Calif. "K & W."

FLUSHERS, Differential and Transmission

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo."
Aro Equipment Corp., Bryan, Ohio.
Coil Mfg. Co., 1013 N. Fares Ave., Evansville 11, Ind. (Guns.)
Currier Corp., 710 73rd Ave., Oakland 4, Calif. "Dee Tee." (Electric.)
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Rose."
Gray Co., 60 11th Ave., N. E. Minneapolis 13, Minn. "Graco." (Gear flushers.)
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny."
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (Flushers.)

FLUSHERS, Radiator and Block (Portable)

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo." (Guns.)
Brady Corp., 18th & Ebright Sts., Muncie, Ind. (Electric powered unit.)
Choldun Mfg. Corp., 331 East St., New Haven, Conn. "Pressure Purger."
Halls, Inc., 10 Stone Mountain St., Lithonia, Ga. "Spontane." (Guns.)
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny." (Nozzles.)
Inland Mfg. Co., 1108 Jackson St., Omaha 8, Neb.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Liquid Veneer Corp., Urban & Kehr Sts., Buffalo 11, N. Y. "Purgo Ejector."
Olson Corp., L. M., 2748 McGee Trafficway, Kansas City, Mo. "Sodrin," "Wat-Air." (Guns.)
Tripoe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.

FLUX, WELDING, See Compounds, Welding

FOG LIGHTS, See Lamps, Fog, Head and Spot

FORK LIFT TRUCKS—See Trucks, Lift

FORMS (for Fleet Records)

Fleet Forms Co., 1410 N. High St., Columbus 16, Ohio.
Milbin Printing Co., 132 W. 22nd St., New York 11, N. Y.
Uarco, Inc., 5000 S. California Ave., Chicago 32, Ill.

FOUNTAIN BRUSHES, See Washers, Fountain Brushes & Mops

FRAMES (Pressed Steel)

Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
Midland Steel Products Co., Power Brake Div., 3641 E. Milwaukee Ave., Detroit 11, Mich.
Midland Steel Products Co., Madison Ave. & W. 106th St., Cleveland, Ohio.
Murray Corp. of America, 7700 Russell St., Detroit 11, Mich.
Parish Pressed Steel Co., Robison & Weiser Sts., Reading, Pa.
Smith Corp., A. O., 27th & Hopkins Sts., Milwaukee 1, Wis.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Parish."

FRAMES, Trailer Door

Andrews Industries, Inc., P. O. 418, St. Louis, Mo.

FRONT END Alignment Equipment, See Gages, Wheel & Axle Aligning

FUELS, Engine

American Oil Co., American Bldg., Baltimore, Md.
Associated Division, Tide Water Associated Oil Co., 79 New Montgomery St., San Francisco, Calif.
Atlantic Refining Co., 260 S. Broad St., Philadelphia, Pa.
Cities Service Oil Co., 60 Wall Tower, New York 5, N. Y.
Continental Oil Co., Continental Oil Bldg., Ponca City, Okla.
Emerol Mfg. Co., 242 W. 69th St., New York, N. Y.
Esso Standard Oil Co., Esso Bldg., 15 W. 51st St., New York, N. Y.
Gulf Oil Corp., Gulf Building, Pittsburgh, Pa.
Mid Continent Petroleum Corp., Tulsa 2, Okla.
Pennsylvania Refining Co., Butler Savings & Trust Co., Butler, Pa.
Phillips Petroleum Co., Bartlesville, Okla.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Richfield Oil Corp., Richfield Bldg., 555 S. Flower St., Los Angeles 13, Calif.
Shell Oil Co., Shell Bldg., San Francisco, Calif.
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Sinclair Refining Co., 630 Fifth Ave., New York 20, N. Y.
Socony Vacuum Oil Co., 26 Broadway, New York 4, N. Y.
Standard Oil Co. of California, Standard Oil Bldg., San Francisco, Calif.
Standard Oil Co. (Indiana), 910 S. Michigan St., Chicago 80, Ill.
Sun Oil Co., Marcus Hook, Pa.
Texas Co., The, 135 E. 42nd St., New York 17, N. Y.
Tide Water Associated Oil Co., 17 Battery Place, New York, N. Y.
Union Oil Co. of California, Union Oil Bldg., Los Angeles 17, Calif.

FUEL FILTERS, See Filters, Gasoline; also Filters, Diesel, Fuel

FUEL INJECTORS, DIESEL, See Injector Systems, Gasoline and Diesel Engine

FUEL LINES, FLEXIBLE, See Tubing, Oil and Gasoline Line

FUEL PUMP PARTS, See Parts, Fuel Pump

FUEL PUMP TESTERS, See Testers, Fuel Pump

FUEL PUMPS, See Pumps, Fuel

FUSEES, See Flares, Highway Lighting

FUSES, Electric

Bussmann Mfg. Co., 2536 W. University St., St. Louis 7, Mo. "Buss," "Buss Fustats," "Fusetrons."
Eagle Electric Mfg. Co., 23-10 Bridge Plaza South, Long Island City, N. Y.
General Electric Co., Const. Materials Dept., 1285 Boston Ave., Bridgeport 2, Conn.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kirkman Engineering Corp., 123 Mercer St., New York 12, N. Y. "K-E," "Kirkman Fustats," "Kirkman Thermofuses," "Kirkman Peak Lag."
Littlefuse, Inc., 1865 Miner St., Des Plaines, Ill.
Reynolds Mfg. Co., 1805 Alamo National Bldg., San Antonio 5, Tex. "Remco."
Royal Electric Co., Pawtucket, R. I.
Ware Fuse Corp., 4406 W. Lake St., Chicago, Ill. "Hi-Lag," "One-Time," "W-B."

GAGES, Brake Drum

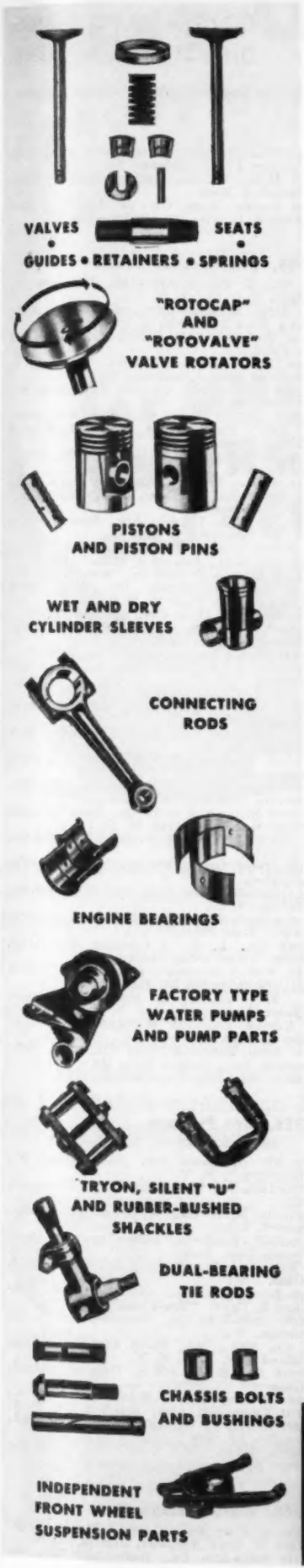
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
C. & G. Wheel Puller Co., Scio, N. Y.
Grigg Specialty Tools, 8103 Marbrisse Ave., Huntington Park, Calif.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason."
Van Norman Co., 3640 Main St., Springfield 7, Mass. "Diam-A-Gage."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

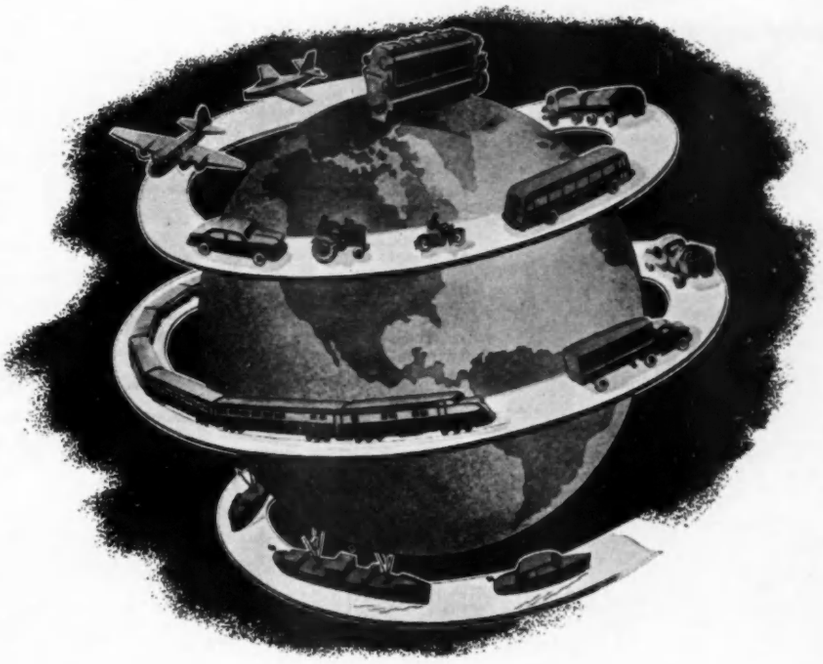
GAGES, Brake Shoe

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. "Barrett Brake Dokter."
C. & G. Wheel Puller Co., Scio, N. Y.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich. "TruBrake."
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Shepard-Thomason Co., 2033 W. Gage Ave., Los Angeles 47, Calif.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

GAGES, Cylinder

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Hydraulic brake.)
Curtiss & Smith Mfg. Corp., 22 High St., Pottstown, Pa. "C S." (Hydraulic brake.)





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Standard Gage Co., Poughkeepsie, N. Y.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co. of America, 8900 Alpine Ave., Detroit, Mich.

GAGES, Cylinder, Compression

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y.
Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa. (Diesel engine.)
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Compressometer."
Gale-Hall Engrg., North Hampton, N. H. "Jetmatic," "Test Master."
G. M. Co Mfg., Inc., 13-08 43rd Ave., Long Island City, N. Y.
Griswold Mfg. Co., F. T., Lancaster Pike, Devon, Pa. "Motorstat." (Leak tester.)
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Mack Products Co., 15 Putnam St., Winthrop, Mass.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Powercraft Corp., 2502 S. Wabash Ave., Chicago. "Powerflo." (Sole distributors, Letherstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Republic Gage Co., 2220 Fenkell Ave., Detroit 21, Mich.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.
Weidenhoff, Inc., Joseph, Algona, Iowa.

GAGES, Dial

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Bristol Co., Waterbury 20, Conn.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Dow Mechanical Corp., Thompsonville, Calif.
Federal-Mogul Service, Detroit 13, Mich.
Federal Products Corp., 1144 Eddy St., Providence, R. I. (Indicator.)
Nilsson Gage Co., Lake & Fairview Sts., Poughkeepsie, N. Y. "Nilco."
Rimat Tool Co., 21 W. Dayton St., Pasadena 2, Calif. (Bore.)
Standard Gage Co., Poughkeepsie, N. Y.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.

GAGES, Engine Vacuum

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y.
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Motor Peaker."
Gale-Hall Engineering, Inc., 236 Huntington Ave., Boston 15, Mass.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa. (Also for permanent installation on car.)
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago 14, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.
Wallace & Tiernan Products, Inc., 1 Main St., Belleville 9, N. J.
Weidenhoff, Inc., Joseph, Algona, Iowa.

GAGES Gasoline (Dash Type)

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Electric.)
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago, Ill. (Electric.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa. (Electric.)

GAGES Gasoline (Tank Type)

Boston Auto Gage Co., 70 West St., Pittsfield, Mass. "Triumph."
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
United Motor Service, General Motors Bldg., Detroit 2, Mich.

GAGES, Liquid Level (in Storage Tanks)

Bristol Co., Instrument Div., 117 Bristol Rd., Waterbury, Conn.
Liquidometer Corp., 39-20 Skillman Ave., L. I. City, N. Y.
Scully Signal Co., 84 First St., Cambridge, Mass.
Tokheim Co., 119 C Ave., N.W., Cedar Rapids, Ia.
Uehling Instrument Co., 473 Getty Ave., Paterson 3, N. J.

GAGES, Oil Level

Bristol Co., Waterbury 20, Conn.
Electric Auto-Lite Co., Instrument Div., La Crosse, Wis.
Parkwood Mfg. Co., Hippodrome Bldg., Cleveland 15, Ohio. "Oil-Cue." (Instrument panel type; sole distributor.)
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago 14, Ill.

GAGES, Oil Pressure

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Bristol Co., Waterbury 20, Conn.
Dunn Mfg. Co., 117 15th St., Clarinda, Iowa. "Majestic." (For Ford cars.)
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Schwarze Electric Co., Church St. at Payne Ave., Adrian, Mich. "Teloil." (For Ford cars.)
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago, Ill.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.

GAGES, Thickness or Feeler

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y.
Atmars Tool Co., 2411 Chestnut St., Oakland 7, Calif.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Federal Products Corp., 1144 Eddy St., Providence, R. I. (Dial indicator.)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Akuret."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lincoln Park Industries, Inc., 1719 Ferris Ave., Lincoln Park 25, Mich.
Lufkin Rule Co., Hess Ave., Saginaw, Mich.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Michler, R. W., Perris, Calif. "Go No Go."
Miller Co., L. B., 394 State St., Stamford, Conn.
Millers Falls Co., Greenfield, Mass.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P. & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Proto Tools, 2209 Santa Fe Ave., Los Angeles, 54, Calif.
Quality Tools Corp., Railroad St., New Wilmington, Pa.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Starrett Co., L. S., 1 Crescent St., Athol, Mass. (Also feeler stock.)
Tacony File & Hardware Co., 2814 N. Fourth St., Philadelphia 33, Pa. "Ideal."
Union Tool Co., 48 E. River St., Orange, Mass.
Van Keuren Co., 176 Waltham St., Watertown, Mass.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Zoerman-Clark Mfg. Co., Jackson, Mich.

GAGES, Tire Pressure

(See also Meters, Air Tower)

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Amseco Inc., 564 W. Randolph St., Chicago 6, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Druge Bros. Mfg. Co., 888 92nd Ave., Oakland 3, Calif. "Tru-Flate."
Electric Auto-Lite Co., Instrument Div., La Crosse, Wis.
G.M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
Syracuse Gauge Mfg. Corp., 113 S. Midler Ave., Syracuse, N. Y. "Hand-D."

GAGES, Water Temperature

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Electric Auto-Lite Co., Instrument Div., La Crosse, Wis.

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Tower)
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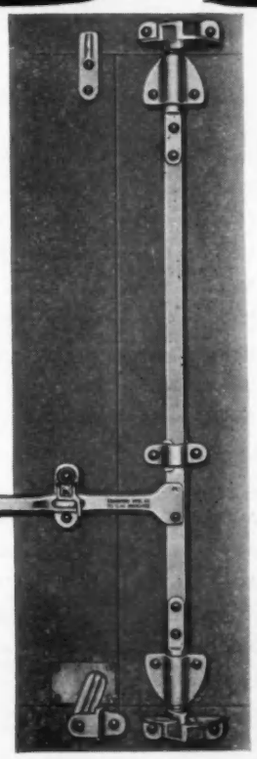
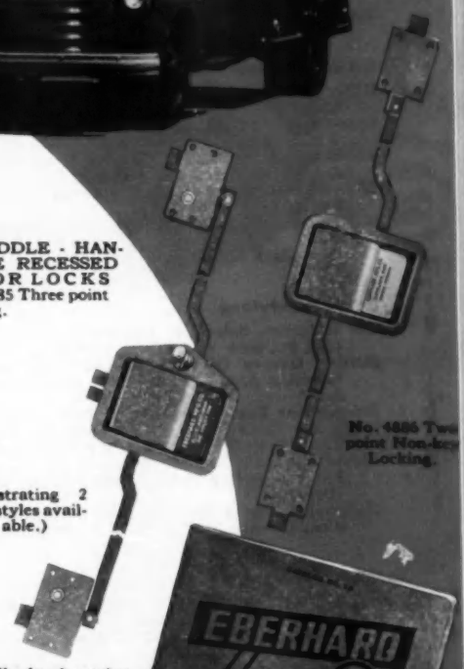


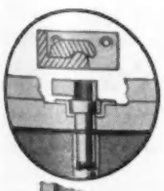
PADDLE - HANDLE RECESSED DOOR LOCKS
No. 4885 Three point Locking.



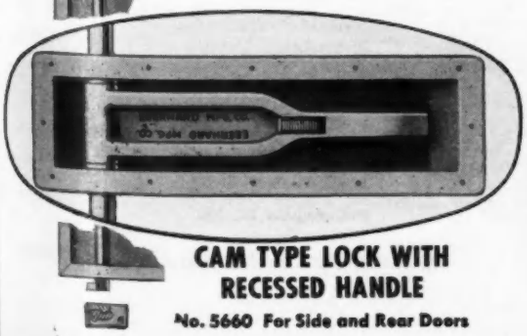
No. 4886 Two point Non-key Locking.

(Illustrating 2 of 8 styles available.)

EBER-"GRIP"-HARD
No. 5625 & 5625X
For Big Door Applications.
EBER-"GRIP"-HARD JUNIOR
No. 5622 & 5622X
For Medium Door Applications.



The Eberhard catalog should be in your files It contains a wealth of information which has proved valuable to fleet owners everywhere. Write for your copy TODAY.



CAM TYPE LOCK WITH RECESSED HANDLE
No. 5660 For Side and Rear Doors

EBERHARD *Long Run*
TRUCK BODY FITTINGS

EBERHARD MANUFACTURING CO.
EVARTS AVENUE CLEVELAND, OHIO
Division of the Eastern Malleable Iron Co.

GAGES, Water Temp.—*continued*

King-Seeley Corp., 315 S. First St., Ann Arbor, Mich.
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago, Ill.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.

GAGES, Wheel and Axle Aligning

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich. "Visualiner."
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Bender Equipment Co., J. H., 5430 Tweedy Blvd., South Gate, Calif.
Bennett-Feragen, Inc., 1008 S. Lafayette Blvd., South Bend 18, Ind.
Cedar Rapids Engrg. Co., 902 N. 17 St., Cedar Rapids, Iowa. "Kwik-Way."
Cornwell Quality Tools Co., Mogadore, Ohio. "Cornwell-Krumm."
Duby Co., John F., 744 Gallivan Blvd., Dorchester 22, Mass. "Duby," "Ideal."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Krumm Mfg. Co., T. F., 5150 Lewis Ave., Toledo 12, Ohio.
Kwik-Ezee, Inc., 17 W. 60th St., New York 23, N. Y.
Magnaline Co., 1815 Pine St., San Francisco 9, Calif.
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Merrill Engineering Laboratories, 1230 Lincoln St., Denver 3, Colo.
Mesco Products, Crete, Neb.

GAGES, Wheel & Axle

Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Stephenson Fdry. & Mfg. Co., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Wilco Products, Inc., 595 Valley St., Orange, N. J.
Zoerman-Clark Mfg. Co., Jackson, Mich.

GAS, Acetylene

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Independent Engineering Co., O'Fallon, Ill.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Prest-O-Lite." (Cylinders.)
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. (Cylinders.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG." (Cylinders.)

GAS, Hydrogen

Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y.
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. (Cylinders.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG." (Cylinders.)

GAS, LP, See Fuels, Engine

GAS, Oxygen

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio.
Independent Engineering Co., O'Fallon, Ill.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y.
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. (Cylinders.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG." (Cylinders.)

GASKETS, Asbestos

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass.
Chambers Gasket & Mfg. Co., 4701 W. Rice St., Chicago 51, Ill. "Superbestos."
Cleveland Gasket & Mfg. Co., 1610 W. 116th St., Cleveland 2, Ohio.
Consolidated Packing & Supply Co., 116 Nassau St., New York 38, N. Y. "Primrose," "Consolco."
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Cooperbes."
Darcoid Co., 145 Sixth Ave., New York 13, N. Y. "Dominion."
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Wirepak."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Greene, Tweed & Co., North Wales, Pa. "Palmetto."
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. "J-M."
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia, Pa.
Marston Co., I. G., 226 Ruggles St., Boston 20, Mass.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div., Sheller Mfg. Corp., P. O. Box 9626, Norfolk 5, Va.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
United Packing & Gasket Engr. Corp., 511 Ogden Ave., Cicero 50, Ill.
Vellumoid Co., 54 Rockdale St., Worcester 6, Mass. "Velbestos"; "Wirebestos." (Wire woven.)
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

GASKETS, Copper-Asbestos

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Fel-Pro Sealmaster."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich. "McKim."
United Packing & Gasket Engr. Corp., 511 Ogden Ave., Cicero 50, Ill.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

GASKETS, Cork

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Airtex Products, Div. Airtex Products Inc., Fairfield, Ill.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Automotive Products Div., Crotty Corp., 39 E. Chicago Ave., Quincy, Mich.
Chambers Gasket & Mfg. Co., 4701 W. Rice St., Chicago 51, Ill. "Durocork," "Supercork."
Chicago Cork Works Co., 5289 N. Avondale Ave., Chicago 30, Ill.
Cleveland Gasket & Mfg. Co., 1602 W. 116th St., Cleveland 2, Ohio.
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa.
Coyne & Paddock, Inc., 40-09 21st St., Long Island City 1, N. Y.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Fel-Pro," "Carrocork."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn. "Fitz-Cork."
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
General Cork Co., 1155 Manhattan Ave., Brooklyn 22, N. Y.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich. "McKim."
Marston Co., I. G., 226 Ruggles St., Boston 20, Mass.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div. Sheller Mfg. Corp., P. O. Box 9626, Norfolk 5, Va.
Mundet Cork Corp., 7101 Tonnelle Ave., North Bergen, N. J. "Jointite."
Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa.
Rhopar Inc., 3425 Cleveland St., Skokie, Ill.
Sutherland Leather & Felt Co., 743 Beaubien St., Detroit 26, Mich.
United Packing & Gasket Engr. Corp., 511 Ogden Ave., Cicero 50, Ill.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

GASKETS, Fibrous and Paper

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Advance Felt & Gasket Co., 663 W. Washington Blvd., Chicago, Ill.
Airtex Automotive Div., Airtex Products Inc., Fairfield, Ill.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Armstrong Cork Co., Industrial Div., Lancaster, Pa. "Accopas."
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Automotive Products Div., Crotty Corp., 35 E. Chicago Ave., Quincy, Mich.
Automotive Research & Mfg. Co., 88-05 76th Ave., Glendale 27, N. Y.
Brandywine Fibre Products Co., 15th & Poplar Sts., Wilmington, Del.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass.
Chambers Gasket & Mfg. Co., 4701 W. Rice St., Chicago 51, Ill. "Super-Pak."
Cleveland Gasket & Mfg. Co., 1602 W. 116th St., Cleveland 2, Ohio.
Consolidated Packing & Supply Co., 116 Nassau St., New York 38, N. Y. "Wisoid."
Continental-Diamond Fibre Co., Newark 10, Del. "Diamond."
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Gaskoid," "Korkite."
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "DeLoid," "Korkoid," "Springold."
Excelsior Leather Washer Mfg. Co., 720 Chestnut St., Rockford, Ill. "X-L."
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Karropak."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Houser Engrg. & Mfg. Co., Bluffton, Ind.
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y.
Keystone Gasket Mfg. Co., 333 N. Fourth St., Philadelphia 23, Pa.
Kuehn Co., N. L., 407 W. Highland Ave., Milwaukee 3, Wis.
Latex Fiber Industries, Inc., Beaver Falls, N. Y.
Marston Co., I. G., 226 Ruggles St., Boston 20, Mass.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Merrimac Paper Co., 295 Madison Ave., New York 17, N. Y.
Mitchell & Smith Div., Sheller Mfg. Corp., P. O. Box 9626, Norfolk 5, Va. "M & S."
Penn Fibre & Specialty Co., 2024 E. Westmoreland St., Philadelphia 34, Pa.
Philadelphia Gasket & Mfg. Co., F & At'antic Sts., Philadelphia 34, Pa.
Presstite Engrg. Co., 3900 Chouteau St., St. Louis 10, Mo.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.

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GASKETS, Fib., Paper—*continued*

Taylor Fibre Co., Norristown, Pa.
Vellumoid Co., 54 Rockdale St., Worcester, Mass. "Vellumoid," "Vellutex."
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. "Victorite," "Ferropac."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington, Del.
Wisconsin Gasket & Mfg. Co., 8724A N. Granville Rd., Granville, Wis.

GASKET COMPOUNDS

Cabot, Inc., Samuel, 141 Milk St., Boston 9, Mass. "Plasgon."
Carborundum Company, Niagara Falls, N. Y
Dewey & Almy Chemical Co., 62 Whittemore Ave., Cambridge 40, Mass.
Duroyd Gasket & Die Mfg. Co., 1828 Amsterdam Ave., New York, N. Y.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Flexrock Co., Packing Div., 36th & Filbert Sts., Philadelphia 4, Pa. "Plastic Gasket."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
P. O. B. Mfg. Co., 3215 Colerain Ave., Cincinnati, Ohio. "Gasket-Makers."
Pep Mfg. Co., 33 W. 42nd St., New York, N. Y. "Gasket Goo." (In tubes.)
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y. "Form-A-Gasket."
Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."
Warehouse Distributors Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

GASOLINE, See Fuels, Engine

GASOLINE FILTERS, See Filters, Gasoline

GATES, Truck (Folding)

Atlas Fence Co., 3644 Richmond St., Philadelphia 34, Pa.
Bustin Steel Products, Inc., 110 E. 130th St., New York 37, N. Y.
Gate Co. of America, Detroit, Mich.
Logan Co., Cabel St., Louisville 6, Ky.
Zehr Products Co., 2130 E. Hazzard St., Philadelphia 25, Pa. (Wire.)

GEAR PULLERS, See Pullers, Bearing, Gear and Wheel

GEARS, Flywheel Ring

Automotive Gear Works, Inc., Eighth & S. O Sts., Richmond, Ind. "Double Diamond."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Springfield Mfg. Co., Bechtle Ave. & Columbia St. Springfield, Ohio. "Excelsior."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

GEARS, Landing (Trailer)

Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton 1, Ohio.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Hammer Blow Tool Co., 10940 Harper Ave., Detroit 32, Mich.
Holland Hitch Co., 430 W. 18th St., Holland, Mich.
Homan & Co., Inc., 511 Reading Rd., Reading, Cincinnati 15, Ohio.
Utility Trailer Mfg. Co., P. O. Box 3608 Terminal Annex, Los Angeles 54, Calif.
Warren Gear Mfg. Co., Warren, Pa.

GEARS, Steering

Gemmer Mfg. Co., 6400 Mt. Elliott Ave., Detroit 11, Mich.
Ross Gear & Tool Co., 800 Heath St., Lafayette, Ind.
Saginaw Steering Gear Div., General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich.

GEARS, Steering Power, See Steering, Power

GEARS, Timing (Metallic and Non-Metallic)

Al-Fin Div., Fairchild Engine & Airplane Corp., Farmingdale, L. I., N. Y. (Aluminum with bonded in steel hubs, semi-finished.)
Amgears, Inc., Sub. Hupp Corp., 6633 W. 65th St., Chicago 38, Ill.
Aro Equipment Corp., Cleveland Div., 2040 E. 77 St., Cleveland 3, Ohio.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Chicago Gear Works, 440 N. Oakley Blvd., Chicago 12, Ill.
Cloyes Gear Works, Inc., 17214 Roseland Rd., N. E., Cleveland 12, Ohio.
Continental-Diamond Fibre Co., Newark 10, Del. "Celoron."
D & B Mfg. Co., 2312 S. Indiana Ave., Chicago, Ill.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dittmer Gear & Mfg. Corp., 193 Grand St., Lockport, N. Y.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill. (Metallic.)
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade. Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Taylor Fibre Co., Norristown, Pa. (Non-metallic.)
Timing Gears Corp., 2801 Fulton St., Chicago 12, Ill. "Cy-lent."
Wells, Inc., Martin, 5886 Compton Ave., Los Angeles 1, Calif. "Martin Wells."
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa. "Micarta." (Non-metallic.)
Wolverine Gear & Parts Co., Osseo, Mich. (Non-metallic.)

GEARS, Transmission

Amgears, Inc., Sub. Hupp Corp., 633 W. 65th St., Chicago 38, Ill.
Aro Equipment Corp., Cleveland Div., 2040 E. 77 St., Cleveland 3, Ohio.
Automotive Gear Works, Inc., 8th & S. O. Sts., Richmond, Ind. "Double Diamond."
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Warner."
Clark Equipment Co., Gear & Forge Div., Horton & Tyson Sts., Jackson, Mich.
Cotta Transmission Co., 2340 11th St., Rockford, Ill.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dittmer Gear & Mfg. Corp., 193 Grand St., Lockport, N. Y.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Levene Motor Co., 6245 State Rd., Philadelphia 35, Pa.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 10, Ill. "Hy-Power."
New Process Gear Co., 500 Plum St., Syracuse, N. Y. (Truck and tractor.)
Perfection Gear Co, 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.

GEARS and PINIONS, Rear Axle

(For complete units—See Differentials)

Aro Equipment Corp., Cleveland Div., 2040 E. 77 St., Cleveland 3, Ohio.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Warner."
Clark Equipment Co., Gear & Forge Div., Horton & Tyson Sts., Jackson, Mich.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Levene Motor Co., 6245 State Rd., Philadelphia 35, Pa.
New Process Gear Co., 500 Plum St., Syracuse, N. Y.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.
Warren Gear Mfg. Co., Warren, Pa.

GEARS, Worm Drive

Amgears, Inc., Sub. Hupp Corp., 633 W. 65th St., Chicago 38, Ill.
Aro Equipment Corp., Cleveland Drive, 2040 E. 77th St., Cleveland 3, Ohio.
Baush Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Beaver Gear Works, Inc., 1025 Parmele St., Rockford, Ill.
Boston Gear Works. Div. Murray Corp., 14 Hayward St., Quincy 71. Mass.
Chicago Gear Works, 440 N. Oakley Blvd., Chicago 12, Ill.
Cleveland Worm & Gear Co., 3274 E. 80th St., Cleveland 4, Ohio. "C. W. & G. Co."
Eberhardt-Denver Co., 1408 W. Colfax Ave., Denver 4, Colo.
Fairfield Mfg. Co., State Rd. No. 52, Lafayette, Ind.
L. M. Gear Co., 23120 Gratiot Ave., East Detroit, Mich.
Meisel Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
Newark Gear, Inc., 69 Prospect St., Newark 5, N. J.

GENERATORS

American Bosch Corp., 3664 Main St., Springfield 7, Mass. "American Bosch Volt-O-Matic."
American Generator & Armature Co., 2614 W. 48th St., Chicago 32, Ill. (Battery charging.)
Arrow Armatures Co., 15 Fordham Rd., Boston 34, Mass. (Rebuilt.)
Electric Auto-Lite Co., Owens-Dyneto Corp., 1930 Park St., Syracuse, N. Y.
Delco-Remy, Div. General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
General Armature & Mfg. Co., Mill Hall, Pa.
Leece-Neville Co., 5363 Hamilton Ave., Cleveland 14, Ohio. "L-N." (Bus and truck.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.

GENERATOR Set (Portable)

Duplex Truck Co., Lansing, Mich.

GLASS, Safety

American Window Glass Co., 1600 Farmers' Bank Bldg., Pittsburgh 22, Pa.
Auto Glass Mfg. Co., 8701 Brinnell Ave., Detroit 13, Mich. "AGM."
Globe Auto Glass Co., 6548 N. Clark St., Chicago 26, Ill.
Libbey-Owens-Ford Glass Co., Nicholas Bldg., Toledo 3, Ohio. "HiTest."
Pittsburgh Plate Glass Co., 2200 Grant Bldg., Pittsburgh 19, Pa. "Duplate," "Duolite," "Multiplate," "Herculite," "Solex," "Twindow."
Protecto Safety Glass Co., 82-08 Cooper Ave., Brooklyn 27, N. Y. (Bullet-resistant.)
Safetee Glass Co., 4717 Stenton Ave., Philadelphia 44, Pa.
Shatterproof Glass Co., 4815 Cabot Ave., Detroit 10, Mich. "Shat-R-Proof."

Forge Div.,
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74 E. 80th St.,
& G. Co."
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"Solex," "Twin-
08 Cooper Ave.,
et-resistant.)
Ave., Philadel-
Cabot Ave., De-
Proof."
ovember, 1953

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EASIER CLEANING!

You can *see* why the Hastings Aero-type Shrouded Spark Plug performs better, lasts longer, cleans easier. The electrodes are out of the path of the hot flame sweep—and there are *two* ground electrodes, set to the side for easier cleaning and longer service.

This new construction gives an entirely new standard of service. It allows the Hastings Plug to operate with considerably higher *insulator* temperature to eliminate fouling. At the same time, it allows lower *electrode* temperature to increase the life. And with double electrodes, there's twice the metal area to wear away.

And here is a plug you can clean thoroughly and easily. Cleaning abrasives get right into the entire tip, quickly renewing performance and life.

An improved H. T. Aluminum Oxide insulator . . . a corrosion-resisting solid copper gasket . . . a new performance rating system . . . a wider gap setting and a wider heat range . . . all add up to make this an extra-duty spark plug for heavy-duty work. Write for illustrated catalog. Dept. C, Spark Plug Division, Hastings Manufacturing Co., Hastings, Mich. (Spark Plugs, Piston Rings, Oil Filters, Casite, Drout)

HASTINGS

Aero-type-Shrouded **SPARK PLUGS**

Engineered for Replacement

GOVERNORS, Engine

Dale Hydraulic Controls, Inc., South & Pleasant Sts., Rockford, Ill. (Hydraulic.)
Electric Auto-Lite Co., Toledo 1, Ohio.
Holley Carburetor Co., 5930 Vancouver Ave., Detroit 4, Mich.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
King-Seeley Corp., 315 S. Firth St., Ann Arbor, Mich. "Handy" & "K-S."
Klemm Automotive Products Co., 1718 N. Damen Ave., Chicago 47, Ill.
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich. (Combination governor and distributor.)
Monarch Governor Co., 1832 W. Bethune Ave., Detroit 6, Mich.
Pierce Governor Co., 1615 Ohio Ave., Anderson, Ind.
Safety Speed Control Co., 7800 N. E. Fourth Court, Miami 38, Fla.
Wilkerson Corp., 1601 W. Girard Ave., Englewood, Colo. (Truck and bus.)
Woodward Governor Co., 5001 N. 2nd .St., Rockford, Ill. (For Diesel engines.)
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. (Also "Zenith Gov-U-Retor" combination carburetor and governor.)

GRAPHITE, Lubricating

American Grease Stick Co., Muskegon, Mich.
Acheson Colloids Co., 1925 Washington Ave., Port Huron, Mich. "Glydag," "Oildag," "Dag," Aquadag," "Castordag."
Boyle-Midway Inc., 22 E. 40th St., New York, N. Y. "Kant Rust."
Bush & Co., A. G., 2632 N. Central Ave., Chicago 39, Ill. "Slick-Spray."
Dixon Crucible Co., Joseph, Jersey City 3, N. J.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Electrofilm Corp., 7116 Laurel Canyon Blvd., N. Hollywood, Calif.
Hill & Griffith Co., 1262 State St., Cincinnati 4, Ohio.
Superior Flake Graphite Co., 1531 First National Bank Bldg., Chicago 3, Ill. "Motorflake," "Superflake."
United States Graphite Co., 1621 Holland Ave., Saginaw, Mich. "Mexican."
Van Cleef Bros., Inc., 7800 S. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand."

GREASE, Chassis, See Oils and Lubricants

GREASE GUNS, HAND, See Lubricators, Hand

GREASE GUNS, PUMPS, CABINETS AND BUCKETS, HIGH PRESSURE, See Lubricators, Portable, High Pressure

GREASE AND OIL ABSORBENTS (Floor), See Absorbents, Oil and Grease (Floor)

GREASE RETAINERS, See Retainers, Oil and Grease

GRILLES, Radiator

Ainsworth Mfg. Corp., 2200 Franklin St., Detroit 7, Mich.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Automotive Grille Co., 2111 S. Michigan St., Chicago, Ill.
Blackstone Mfg. Co., 4630 W. Harrison St., Chicago 44, Ill.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Detroit Grille Mfg. Co., 258 E. Vernor Highway, Detroit 1, Mich.
Doehler Die-Casting Co., 386 Fourth Ave., New York, N. Y.
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Excel Corp., 1120 N. Main St., Elkhart, Ind. "XL." (For White trucks.)
Globe Stampang Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Greene Mfg. Co., 1028 Douglas Ave., Racine, Wis.
Helms Industrial Development Co., 2720 Scotten St., Detroit, Mich.
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Motor Products Corp., 11801 Mack Ave., Detroit 14, Mich.
Saginaw Industries Co., 2119 S. Jefferson Ave., Saginaw, Mich. (For Ford and Chevrolet.)
Zenite Metal Corp., 201 N. West St., Indianapolis 7, Ind.

GRILLES, Rolling, for Doorways

Kinnear Mfg. Co., 2100-20 Fields Ave., Columbus 16, Ohio.

GRINDERS, Bench

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Atlas Press Co., 1842 N. Pitcher St., Kalamazoo, Mich.
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Blount Co., J. G., Woodland St., Everett 49, Mass.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Cummins Portable Tools, Div. Cummins-Chicago Corp., 4740 No. Ravenswood Ave., Chicago 40, Ill.
Diehl Mfg. Co., Finderme Plant, 1011 Finderme Ave., Somerville, N. J.
Dumore Co., 1300 17th St., Racine, Wis.
Evans Reamer & Machine Co., New Lexington, Ohio.
Hammond Machinery Builders, Inc., 1621 Douglas Ave., Kalamazoo 54, Mich.
Hisey-Wolf Machine Co., Div. Cincinnati Electrical Tool Co., Madison St. & Edwards Rd., Cincinnati 8, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lee Co., K. O., Congress Ave., S. E., Aberdeen, S. D. "Knock-Out."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Lima Electric Motor Co., Findlay Rd., Lima, Ohio.
Louisville Electric Mfg. Co., 3008 Magazine St., Louisville, Ky. "Pioneer."
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis.
Misener Mfg. Co., 202 Walton St., Syracuse 2, N. Y.
Portable Electric Tools, Inc., 320 W. 83 St., Chicago 20, Ill. "Hi-Power," "Super Duty."
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Richards Co., J. A., 903 N. Pitcher St., Kalamazoo 60F, Mich.
Schauer Machine Co., 4500 Alpine Ave., Rossmoyne, Ohio.
Signal Electric Mfg. Co., Menominee, Mich.
Skil Corp., 5033 Elston Ave., Chicago, Ill. "SkilGrinder."
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Standard Electrical Tool Co., Mt. Hope & River Rd., Cincinnati 4, Ohio.
Stanley Electric Tool Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., Div. Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio.
Valley Electric Corp., 4221 Forest Park Blvd., St. Louis, Mo.
Walker-Turner Div., Kearney & Trecker Corp., 900 North Ave., Plainfield, N. J.
Wickman Mfg. Co., 15533 Woodrow Wilson Ave., Detroit 3, Mich. "Wickman-Neven." (Carbide.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Wissota Mfg. Co., 1301 S. 3rd St., Minneapolis, Minn.

GRINDERS, Brake Drum

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 3, Calif.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.

GRINDERS, Brake Lining and Shoe

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Grinders.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 3, Calif.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason." (Combination brake lining and brake shoe grinding.)
Wilder Co., M. B., 2024 St. Mary's Ave., Omaha 2, Nebr. "Morris." (Also combination countersinking, riveting and grinding machine.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (For Ford cars.)

GRINDERS, Crankshaft

Evans Reamer & Machine Co., New Lexington, Ohio.
Landis Tool Co., Sixth & Ringold Sts., Waynesboro, Pa.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Portable.)
Norton Co., 1 New Bond St., Worcester 6, Mass.
Storm-Vulcan, Inc., 2504 Commerce St., Dallas 1, Tex.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo. (Attachment.)
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. (Portable.)
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Intheblok." (Portable.)

GRINDERS, Cylinder

Heald Machine Co., 14 New Bond St., Worcester 6, Mass.
Landis Tool Co., Sixth & Ringold Sts., Waynesboro, Pa.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.

GRINDERS, Drill

Black Diamond Saw & Machine Works, 81 North Ave., Natick, Mass.
Consolidated Machine Tool Corp., Winton & Blossom Rd., Rochester 10, N. Y. "Sellers."
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich.
Dunmore Co., 1300 17th St., Racine, Wis.
Gallmeyer & Livingston Co., 346 Straight Ave., Grand Rapids 4, Mich. "Grand Rapids."
Hisey-Wolf Machine Co., Div. Smith & Mills Co., 2889 Spring Grove Ave., Cincinnati 25, Ohio.
La Salle Tool Co., 507 W. Washington St., Chicago 8, Ill. "American."
McDonough Mfg. Co. (Machine Tool Dept.), Eau Claire, Wis. "Sterling."
Oliver Instrument Co., 1410 E. Maumee St., Adrian, Mich.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Ten Eyck Industries, Fred F., 758 S. Irolo St., Los Angeles 5, Calif.

GRINDERS, Piston Ring

Arter Grinding Machine Co., 15 Sagamore Rd., Worcester 5, Mass.
Heald Machine Co., 14 New Bond St., Worcester 6, Mass.
Lehman Machine Co., 3560 Chouteau Ave., St. Louis 3, Mo.

GRINDERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "Hicycle," "Supercycle."
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Dremel Mfg. Co., 2420 18th St., Racine, Wis. "Moto-Tool."
Dumore Co., 1300 17th St., Racine, Wis.
Duro Metal Products Co., 2649 N. Kildare St., Chicago 39, Ill.

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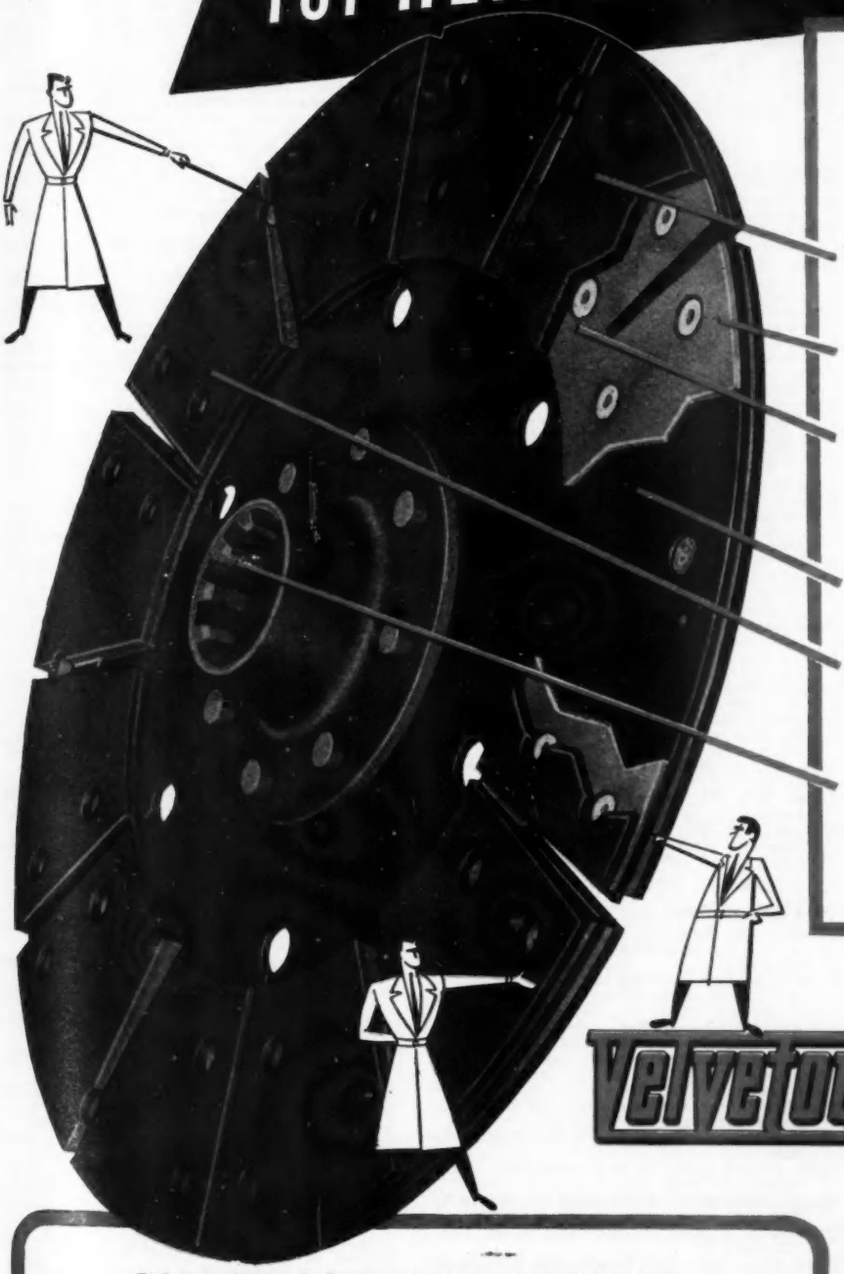

Performance records prove that Velvetouch plates reduce chattering and slipping ... burn-ups and tear-outs ... on clutch jobs that fail because of continued overloading and driver abuse. They're heavy duty built for heavy duty operation, to give you—

1. **EXTRA MILEAGE** • Velvetouch lasts longer because it's all-metal. Can't glaze or "burn" like asbestos.
2. **EXTRA ECONOMY** • Countersunk rivets can't score opposing plates ... permit extra friction wear.
3. **ADDED SAFETY** • There are no "binders" to loosen or fail with Velvetouch ... because the all-metal friction surface is fused directly to the steel backing.
4. **PEAK DEPENDABILITY** • Sturdy steel backing plate is securely riveted to hardened steel center plate.
5. **EXTRA PROTECTION** • Velvetouch runs cooler because metal conducts the heat away from the plate face. Not affected by oil or grease.

And all Velvetouch clutch plates are precision machined and rigidly inspected to make installation fast and easy.

Velvetouch

VELVETOUCH MATCHED FACING SETS for EXTRA heavy duty use, provide four friction material surfaces instead of two ... insure greater clutch capacity, plus complete protection against costly heat-checked fly wheels and pressure plates. For further information see your jobber, contact our nearest branch or write The S. K. Wellman Co., 200 Egbert Rd., Bedford, Ohio.

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GRINDERS, Port. Elec.—*continued*

Frankman Balmar Corp., N. A. Strand Div., 3500 Clipper Mill Rd., Woodberry, Baltimore 11, Md. "Diskette."
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock-Out."
Louisville Electric Mfg. Co., 3008 Magazine St., Louisville, Ky. "Pioneer."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee, Wis.
Precise Products Corp., 1328 Clark St., Racine, Wis.
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.

GRINDERS, Electric

Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Grinder."
Speedway Mfg. Co., 1834 S. 52nd Ave., Cicero 30, Ill.
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.

GRINDERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Madison-Kipp Corp., 201 Waubesa St., Madison, Wis. "Kip."
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio.
Onsrud Machine Works, Inc., 3900 Palmer St., Chicago 47, Ill.
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Schramm, Inc., West Chester, Pa.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.

GRINDERS, Valve Seat (Portable Electric)

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Vibro-Centric."
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Grinder."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Div. Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio.
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 20, Conn. "Waterbury Hall."
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Feather Touch."

GUARDS, Bumper

Brown-Lipe-Chapin, Div. General Motors Corp., 700 Marcellus St., Syracuse, N. Y.
Bumper Guard Co., 277 Washington Ave., Memphis, Tenn. "Bump-R-Gard."
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Chadwick, Inc., 7th St. & Keystone Ave., Darby, Pa.
Eaton Mfg. Co., Stamping Div., 755 E. 140th St., Cleveland 10, Ohio.
Erie Mfg. Div. Pressed Steel Car Co., 235 E. 33rd St., Chicago 16, Ill. (Sole distributors, J. & H. Sales Co., 75 E. Wacker Drive, Chicago 1, Ill.)
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Hamlin Metal Products Co., 58 Exchange St., Akron, Ohio.
Houdaille-Hershey Corp., 800 E. Garfield St., Decatur, Ill.
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Lansing Stamping Co., So. Pens. Ave., Lansing, Mich.
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich.
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio.
Snyder Mfg. Co., 22nd & Ontario Sts., Philadelphia 40, Pa.
United Spring & Bumper Co., 4951 Alcoa Ave., Los Angeles 58, Calif.

GUARDS, Radiator, Grille and Fender

American Forging & Socket Co., P. O. Box 123, Pontiac, Mich. (Radiator Grille.)
Bustin Steel Products, Inc., 110 E. 130th St., New York 37, N. Y. (Truck radiator.)
Calco Steel Products Co., 23-29 New England Ave., Dorchester 24, Mass. (Grille, for trucks.)
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Cello Products Co., 161 Prescott St., East Boston 28, Mass.
Central Motor Co., 906 Austin Ave., Waco, Tex. "Protector."
Champion Sheet Metal Co., 2 Squires St., Cortland, N. Y. (Radiator grille.)
Erie Mfg. Div., Pressed Steel Car Co., 235 E. 33rd St., Chicago 16, Ill. (Sole distributors, J. & H. Sales Co., 75 E. Wacker Drive, Chicago 1, Ill.)
Gichner Iron Works, Inc., Fred S., 1214-24th St., N. W., Washington 7, D. C.
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Hamlin Metal Products Co., 58 Exchange St., Akron, Ohio.
Helms Industrial Development Co., 2720 Scatten St., Detroit, Mich.
Hutchinson Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit."
Knight Co., Geo. C., 19720 W. Eight Mile Rd., Detroit 35, Mich. (Grille.)
Lincoln Metal Products Corp., 179 South St., Newark, N. J. (Radiator, for Ford cars.)
Logan Co., Cabel St., Louisville 6, Ky.
Mullins Mfg. Co., 605 S. Ellsworth St., Salem, Ohio. (Truck and tractor.)
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio.
Snyder Mfg. Co., 22nd & Ontario Sts., Philadelphia 40, Pa. (Radiator and trunk.)
Stevens Mfg. Co., 413 E. Pickard St., Mt. Pleasant, Mich.

GUARDS, Splash

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio.
Better Monkey Grip Co., 5320 Harry Hines Blvd., Dallas 2, Tex. (Truck; Sole distributors, Monkey Grip Sales Co., 5370 Harry Hines Blvd., Dallas 2, Tex.)
Blackstone Mfg. Co., 4630 W. Harrison St., Chicago 44, Ill.
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Buxbaum Co., 1212 7 St., S.W., Canton 1, Ohio.
Cello Products Co., 161 Prescott St., East Boston 28, Mass.
Century Sales Co., 709 Palisades Dr., Akron 3, Ohio.
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Doan Mfg. Corp., 1761 London Rd., Cleveland 12, Ohio.
Fargo Rubber Corp., 137 E. 58 St., Los Angeles 11, Calif.
Franklin Industries, Box 44, Acton, Ind.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 12, Ohio.
Lee Rubber & Tire Corp., Conshohocken, Pa.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Randall Co., 5000 Spring Grove Ave., Cincinnati 32, Ohio.
Regal Motor Products, Inc., 6324 Grand River Ave., Detroit 8, Mich.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.

GUARDS, Tire Inflating

Belmont Body Builders, 175 Belmont Ave., Newark 3, N. J.
Branick Mfg. Co., Fargo, N. D.
Bustin Iron Works, Inc., 110 E. 113th St., New York 37, N. Y. "Swing-A-Way."
Kirspel Industries, Inc., Livingston, N. J.
Myers Tire Supply Co., 816 E. Market St., Akron 5, Ohio.

GUIDES, Valve

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio.
American Auto Parts Co., 919 Bonham Ave., Columbus 3, Ohio.
Beckett Bronze Co., 20th & S. Walnut Sts., Muncie, Ind. (Bronze.)
Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Hub City Iron Co., 218 First Ave., S. W., Aberdeen, S. D.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Marathon Fdry & Machine Co., 1212 West St., Wausau, Wis.
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Standard Automotive Parts Co., Nims St., Muskegon, Mich.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.
Wolverine Gear & Parts Co., Osseo, Mich.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich. (For Ford cars.)

HAMMERS, Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Chambersburg Engineering Co., Derbyshire St., Chambersburg, Pa. "Ceco-Drop." "Impacter."
Erie Foundry Co., 1253 W. 12th St., Erie, Pa.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Lobdell United Co., P. O. Box 1108, Wilmington 99, Del. "Nazel."
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power." (Portable.)
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.
Williams, White & Co., Third Ave. & Eighth St., Moline, Ill.

HAMMERS, Portable Electric

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Hamer-Dril Co., Box 158, Planetarium Station, N. Y., N. Y.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis.
Stanley Electric Tool Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor-Nado."

HARDWARE, Bus

Attwood Brass Works, 303 Douglas St., N.W., Grand Rapids, Mich.
Bath Co., Cyril, Metal Form Div., 32280 Aurora Rd., Solon, Ohio.
Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill.

HARDWARE, Bus—*continued*

Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub." (Stanchions and grab rails.)
Tompkins, H. S., 82 Dey St., New York 7, N. Y.
Troy Sunshade Co., Troy, Ohio. (Stanchions and grab rails.)

HARDWARE, Truck Body

Adams & Westlake Co., 1019 N. Michigan St., Elkhart, Ind.
American Forging & Socket Co., P. O. Box 120, Pontiac, Mich. (Hood locks, etc.)
Attwood Brass Works, Inc., 303 Douglas St. N. W., Grand Rapids, Mich. (Also trailer.)
Atwood Vacuum Machine Co., 2500 N. Main St., Rockford, Ill.
Auld Co., D. L., Fifth Ave. & Fifth St., Columbus, Ohio.
Bassick Co., 437 Howard Ave., Bridgeport 2, Conn.
Binkley Mfg. Co., Warrenton, Mo. (Hinges, brackets, etc.)
Bordner Mfg. Co., E. Album St., Freeport, Ill. (Refrigerator truck.)
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Chicago Lock Co., 2024 N. Racine Ave., Chicago 14, Ill. (Hood locks.)
Cinch Mfg. Co., 1026 S. Homan St., Chicago 24, Ill.
Cleveland Hardware & Forging Co., 3200 E. 79th St., Cleveland 4, Ohio.
Cole Automotive Products Co., 2705 S. Michigan Ave., Chicago 16, Ill. (Window locks for no draft ventilators.)
Decker Co., Richard M., 919 N. Michigan Ave., Chicago, Ill. (Door latches.)
Detroit Harvester Co. Dura Div., 4500 Detroit Ave., Toledo, Ohio.
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Eastern Malleable iron Co., 112 Bridge St., Naugatuck, Conn.
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., Evarts Ave., Cleveland 4, Ohio.
Electric Auto-Lite Co., Die Casting Div., 1934 Thomas St., Woodstock, Ill. "Alemite."
Excel Corp., 1120 N. Main St., Elkhart, Ind. "XL." (Bus sashes.)
Ferro Stamping & Mfg. Co., 1367 Franklin St., Detroit, Mich.
Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill. (Commercial body.)
Hartwell Aviation Supply Co., 9035 Venice Blvd., Los Angeles 31, Calif.
Jacob Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Jarvis Div. of Doehler-Jarvis Corp., 1501 Paris Ave., Grand Rapids 2, Mich.
Kneuer Tail Board Co., 45 Sea Girt Ave., Manasquan, N. J. (Spaceless tailboard hardware.)
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill.
Metal Craft Co., 3300 Doris Ave., Detroit 6, Mich.
Miner, Inc., W. H., 209 S. La Salle St., Chicago 4, Ill. (Truck and trailer.)
Protectoseal Co., 1920 S. Western Ave., Chicago 8, Ill. (Fuel tank fittings.)
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Regal Motor Products Inc., 6325 Grand River Ave., Detroit 8, Mich. (Hinges, visor brackets.)
Richlite Mfg. Co., 2326 S. Indiana Ave., Chicago 16, Ill.
Rockford Metal Products Co., 716 Cedar St., Rockford, Ill.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. (Fender braces and bolts.)
Soss Mfg. Co., 21777 Hoover Rd., Detroit 13, Mich.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Standard-Thomson Corp., 216 S. Main St., Dayton 2, Ohio. (Also hearse and ambulance.)
Stanley Works (Pressed Metal Div.), 195 Lake St., New Britain, Conn.
Stant Mfg. Co., 1620 Columbia St., Connersville, Ind.
Ternstedt Div. General Motors Corp., 6307 W. Fort St., Detroit 9, Mich.
Tompkins, H. S., 82 Dey St., New York 7, N. Y.
Yale & Towne Mfg. Co., 200 Henry St., Stamford, Conn.

HEADLIGHT FOCUSING INSTRUMENTS, See Testers, Headlight

HEATERS, Engine Pre-Heating

Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat." (Gasoline burning.)
Diesel Equipment Div., Gen'l Motors Corp., 2100 Burlingame Ave., S. W., Grand Rapids 2, Mich. (For Diesel engines.)
Five Star Mfg. Co., 314 Ninth Ave. N., Grand Forks, N. D. "Freeman." (Electric.)
Kim Hotstart Mfg. Co., 917 W. Broadway, Spokane 1, Wash. (Electric.)
Perfection Stove Co., 7609 Platt Ave., Cleveland 4, Ohio. "Superfex." (Oil burning.)
Phillips Mfg. Co., 2816 Aldrich Ave. S., Minneapolis 8, Minn. "Flash" & "Zero-Start." (Headbolt, hose and dipstick types.)
Santag Corp., 351 N. Crawford Ave., Chicago 24, Ill. "Hot-Blok."
Stewart-Warner Corp., South Wind Div., 1514 Drover St., Indianapolis 7, Ind. "South Wind."
Vapor Heating Corp., 80 E. Jackson Boulevard, Chicago 4, Ill. (Parking lot heater.)
Zaiger Corp., 539 Essex St., Lynn, Mass. "Quick-Start."

HEATERS, Bus

Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat."
Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill.
Consolidated Car Heating Co., 413 N. Pearl St., Albany, N. Y.
Evans Products Co., Heating and Ventilating Div., Plymouth, Mich.
Ha Dees Heater Div. of Gabriel Co., 1911 Harrison Ave., Rockford, Ill. (Hot water.)
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio.
Kysor Heater Co., Haynes St., Cadillac, Mich.
Truck & Coach Heater Mfg. Co., 11611 Linwood Ave., Detroit 6, Mich.
Vapor Heating Corp., 80 E. Jackson Boulevard, Chicago 4, Ill.

HEATERS, Cargo

American Gas Machine Co., 505 Front St., Albert Lea, Minn. "Scotsman." (Automatic bottled gas, for trucks and buses.)
Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat."
Auto Body Works, Pierce Ave. & 8th St., Appleton, Wis. "Gatien." (Exhaust.)
Cargo Guard Inc., Thompson's Point, Portland 2, Me.
Elston Co., Rue R, 2375 University Ave., St. Paul 4, Minn. "Elston." (LP gas.) (Manufactured by Crenlo, Inc., Rochester, Minn.)
Evans Products Co., Heating and Ventilating Div., Plymouth, Mich.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich. "Trail-Aire." (Self-powered unit for trailers.)
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Hot water and gasoline.)
Knowles-Fisher Corp., Gowanda, N. Y. (Charcoal burning.)
Laharco Industries, Lyndale & 2nd Ave. N., Minneapolis 8, Minn.
Luminator, Inc., 120 N. Peoria St., Chicago 80, Ill.
Stewart-Warner Corp., South Wind Div., 1514 Drover St., Indianapolis 7, Ind. "Stewart-Warner South Wind." (Gasoline burning.)
Truck & Coach Heater Mfg. Co., 11611 Linwood Ave., Detroit 6, Mich. (Hot water.)
U. S. Thermo Control Co., 44 S. 12th St., Minneapolis 4, Minn. "Thermo-King."
Vapor Heating Corp., 80 E. Jackson Boulevard, Chicago 4, Ill.

HEATERS, Garage

(Advertisers Only)

Overhead Heaters, Inc., 1354 Book Bldg., Detroit 26, Mich.

HEATERS, Paint (Hot Spray)

Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Bede Products, Inc., 1110 Brookpart Rd., Cleveland, Ohio.
Pol-Flo Paint Sprayer Corp., 1412-16th St., Sacramento, Calif.
Spee-Flo Company, 720 Polk Ave., Houston, Tex.
Thermalcup, Inc., 3550 W. 137th St., Cleveland 11, Ohio. "Thermalcup" & "Thermalflo."

HEATERS, Truck Cab

Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat."
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind. (Hot water.)
Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill.
Bishop & Babcock Mfg. Co., 4901 Hamilton Ave. N.E., Cleveland 14, Ohio. (Hot water.)
Burd Piston Ring Co., HaDees Heater Div., 10th St. & 23rd Ave., Rockford, Ill. "Ha-dees." (Hot water.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill. (Hot water.)
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Hot water.)
Eaton Mfg. Co., Heater Div., E. 65th St. & Central Ave., Cleveland, Ohio. (Hot water.)
Evans Products Co., Heating & Ventilating Div., Plymouth, Mich. "Evans." (Hot water.)
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y. (Hot water.)
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Hot water.)
Kysor Heater Co., Hayes St., Cadillac, Mich. (Hot water.)
Novi Equipment Co., Novi, Mich. (Hot water.)
Schofield, Inc., E. L., 2230 Seventh Ave., Rockford, Ill. (Hot water.)
Stewart-Warner Corp., South Wind Div., 1514 Drover St., Indianapolis 7, Ind. "Stewart-Warner South Wind." (Gasoline burning.)
Surface Combustion Corp., Janitrol Aircraft-Automotive Div., 400 Dublin Ave., Columbus, Ohio.
Truck & Coach Heater Mfg. Co., 11611 Linwood Ave., Detroit 6, Mich. (Hot water for truck & bus.)

HILL HOLDERS, See Locks, Brake (Hill Holding)

HITCHES, TRAILER, See Couplers, Trailer

HOISTS, Chain or Cable

(See also Cranes, Portable)

Bridgeport Chain & Mfg. Co., 1201 Crescent Ave., Bridgeport, Conn.
Chisholm-Moore Hoist Corp. (Div. Columbus McKinnon Chain Corp.), Fremont Ave., Tonawanda, N. Y. "Cyclone," "Blue-Boy."
Cleveland Crane & Engineering Co., 5866 E. 283rd St., Wickliffe, Ohio.
Coffing Hoist Co., 800 Walter St., Danville, Ill.
Ford Chain Block Div. of American Chain & Cable Co., Bridgeport, Conn. "Tribloc."
Harrington Co., 17th & Callowhill Sts., Philadelphia 30, Pa. "Peerless."
Hobbs Co., Clinton E., 203 Chelsea St., Everett 49, Mass. "Red Line.")
Lincoln Precision Machining Co., North Grafton, Mass.
Manley Div., American Chain & Cable Co., York, Pa.
National Screw & Mfg. Co., Chester Hoist Div., Lisbon, Ohio. "Chester."
Reading Crane & Hoist Corp., 2140 Adams St., Reading, Pa.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Roeper Crane & Hoist Works, 1720 N. Tenth St., Reading, Pa.
Round & Son, David, Box 883, Cleveland 22, Ohio. "Auto-Bloc," "Weston," "Superior," "Little Wizard," "Rocket."
Speidel Elevator Corp., W. Buttonwood & Gordon Sts., Reading, Pa. "Simplex."
Union Mfg. Co., 296 Church St., New Britain, Conn.
Wright Hoist Div. of American Chain & Cable Co., York, Pa.

HOISTS, Electric

(See also Blocks or Hoists, Chain)

American Engineering Co., 2447 Aramingo Ave., Philadelphia 25, Pa. "Lo-Hed."
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Chisholm-Moore Hoist Corp. (Div. Columbus McKinnon Chain Corp.), Fremont Ave., Tonawanda, N. Y. "Comet," "Meteor."
Cleveland Crane & Engineering Co., 5866 E. 283rd St., Wickliffe, Ohio. "Cleveland Tramrail."
Coffing Hoist Co., 800 Walter St., Danville, Ill.
Conco Engineering Works, Div. of H. D. Conkey & Co., Mendota, Ill.
Detroit Hoist & Machine Co., 8350 Morrow St., Detroit 11, Mich. "Detroit," "Titan."

HOISTS, Electric—*continued*

Electro Lift, Inc., 30 Church St., New York 7, N. Y.
Ford Chain Block Div. of American Chain & Cable Co., Bridgeport, Conn. "Ford Whippet."
Harnischfeger Corp., 4400 W. National Ave., Milwaukee 14, Wis.
Harrington Co., 17th & Callowhill Sts., Philadelphia 30, Pa. "Bearcat."
Hobbs Co., Clinton E., 203 Chelsea St., Everett 49, Mass. "Red Line."
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
Northern Engineering Works, 2615 Atwater St., Detroit 7, Mich. "Hi-Lift."
Reading Crane & Hoist Corp., 2140 Adams St., Reading, Pa.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Roeper Crane & Hoist Works, 1720 N. Tenth St., Reading, Pa.
Round & Son, David, Box 883, Cleveland 22, Ohio. "Rocket."
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Shepard Niles Crane & Hoist Corp., Montour Falls, N. Y. "Sprague," "Shepard Niles."
Stephens-Adamson Mfg. Co., 150 Hidgeway St., Aurora, Ill.
Thomas Hoist Co., 20 S. Hoyne Ave., Chicago 12, Ill.
Whiting Corp., 157th & Lathrop Sts., Harvey, Ill.
Wright Hoist Div. of American Chain & Cable Co., York, Pa.
Yale & Towne Mfg. Co., Philadelphia Div., 4530 Tacony St., Philadelphia 24, Pa.

HOISTS, MONORAIL, See Cranes, Monorail

HOISTS, Pneumatic

Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis 20, Mo.
Detroit Hoist & Machine Co., 8350 Morrow St., Detroit 11, Mich.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Kehawke Mfg. Co., 718 S. Elliot St., Muncie, Ind. (For tire shops.)
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Miller Motor Co., 2040 N. Hawthorne Ave., Melrose Park, Ill.
Northern Engineering Works, 2615 Atwater St., Detroit 7, Mich.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

HOISTS, PORTABLE, See Cranes, Portable

HOISTS, Truck Body

Anthony Co., Streator, Ill. (Hydraulic.)
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio.
Converto Mfg. Co., Cambridge City, Ind.
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif.
Davey Compressor Co., N. Water & Cook Sts., Kent, Ohio.
Daybrook Hydraulic Corp., Bowling Green, Ohio.
Detroit Mechanical Hoist Corp., 3502-12 W. Fort St., Detroit 16, Mich.
Galion Allsteel Body Co., 605 S. Market St., Galion, Ohio. (Hydraulic.)
Gar Wood Industries, Inc., Wayne, Mich. "GW."
General Body & Hoist Co., Paris & Garvey Sts., Everett 49, Mass. "Universal."
Heil Co., Dept. 6253, 3000 W. Montana St., Milwaukee 1, Wis. (Hydraulic.)
Hercules Steel Products Co., Box 477, Galion, Ohio.
Kewanee Mfg. Co., 1642 Burlington Ave., Kewanee, Ill.
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill. (Hands.)
Marion Metal Products Co., Cheney Ave., Marion, Ohio. (Hydraulic.)
National Lift Co., 800 Lowell St., Ypsilanti, Mich. "Dump-O-Matic."
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co., S. East St., Galion, Ohio. (Hydraulic.)
Rodenhausen's Excelsior Wagon Works, Ninth & Jefferson Sts., Philadelphia 22, Pa. (For coal trucks.)
St. Paul Hydraulic Hoist, 2207 University Ave., S.E., Minneapolis 14, Minn.
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Truck Engrg. Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat."

HOISTS, VEHICLE LIFTING, See Lifts, Vehicle

HOLDERS, Air Brake Hose

Edward's Air Hose Bracket Co., P. O. Box 860, Sapulpa, Okla.
Vari-Products Company, 2450 S. Prairie Ave., Chicago 16, Ill.

HOLDERS, Electrode

Jackson Products, 31739 Mound Rd., Warren, Mich.
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio.
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind. (Resistance.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston 27, Mass.
Tweco Products Co., Boston at Mosley Sts., Wichita 1, Kan. "Tweco," "Twecotong."
US Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.

HOLDERS, LOAD, See Load Binders

HONES, Cylinder

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill. (Engine and brake.)
Barnes Drill Co., 826 Chestnut St., Rockford, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Hydraulic and brake drum.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Micromatic Hone Corp., 8100 Schoolcraft St., Detroit 4, Mich. "Hydrohone," "Odee-Hone," "Micromold," "Hydrobrake."
Moline Tool Co., 102 20th St., Moline, Ill. "Hole Hog."
Rottler Boring Bar Co., 1727 First Ave., S., Seattle 4, Wash.
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y. (Brake.)
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Waterbury Tool Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 20, Conn. (Engine and brake.)
Wilco Products, Inc., 595 Valley St., Orange, N. J. (Hydraulic brake.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (For Ford cars.)

HONES, Small Bore

(For piston pins, brake cylinders, bushings, etc.)

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa. (Brake cylinder, piston pin and ring pin bushings.)
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich. (Brake cylinder.)
Eis Automotive Corp., Middletown, Conn. (Brake cylinder.)
Evans Reamer & Machine Co., New Lexington, Ohio. (Piston pin.)
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio. (Brake cylinder.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich. (Piston pin.)
Keystone Reamer & Tool Co., Millersburg, Pa. (Piston pin.)
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Lisle Corp., 809 E. Main St., Clarinda, Iowa. (Brake cylinder and piston pin.)
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich. (Brake cylinder.)
New Britain Machine Co., South St., New Britain, Conn. (Brake cylinder.)
Precision Hone Co., 8618 Dearborn St., Detroit 17, Mich. "Honette." (Piston pin, brake cylinder, bushing, etc.; "Brakehone," brake cylinder.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Piston pin.)
Staple Engineering Co., 1315 S. Woodward Ave., Birmingham, Mich.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo. (Piston pin.)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 20, Conn. (Piston pin.)

HOOKS, Towing

Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Cleveland Hardware & Forging Co., 3200 E. 79th St., Cleveland 4, Ohio.
Four Wheel Drive Auto Co., E., 12th St., Clintonville, Wis. "FWD."
Holland Hitch Co., 430 W. 18th St., Holland, Mich.

HORN RELAYS, See Relays, Horn and Light

HORNS, Air

Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio.
Buell Mfg. Co., 919 W. 49th Pl., Chicago 9, Ill.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. "Supertone Twins."
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Grover Products Co., 1221 S. Hope St., Los Angeles 15, Calif.
Kahlenberg Bros. Co., 1200 Monroe St., Two Rivers, Wis.
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich.

HORNS, Electric

Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind. "Klaxon."
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y.
Edwards Co., Norwalk, Conn.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb. "Jubilee," "Bugler," "Broadcaster," "Fog-Horn," "Hi-Lo-Tone," "Multi-tone," "Three Star," "Gold Medal," "Bomber," "Challenger," "Rival," "Streamline," "Toot-a-Tune."
Sparton Automotive Div., Sparks-Withington Co., Jackson, Mich. "Air Shell," "Hornet," "Marvel," "Su Power," "Sparton," "Tornado," and "Trumpet."
Yoder Mfg. Co., 1823 E. 17th St., Little Rock, Ark. (Wolf.)

HORNS, Siren

(For ambulances, police and fire department apparatus)

American-La France-Foamite Corp., 100 E. La France St., Elmira, N. Y.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Electric.)
Federal Enterprises, Inc., 8765 S. State St., Chicago 19, Ill.
Sireno Co., 214 William St., N. Y. 7, N. Y.
Sterling Siren Fire Alarm Co., 53 Allen St., Rochester, N. Y. (Electric.)

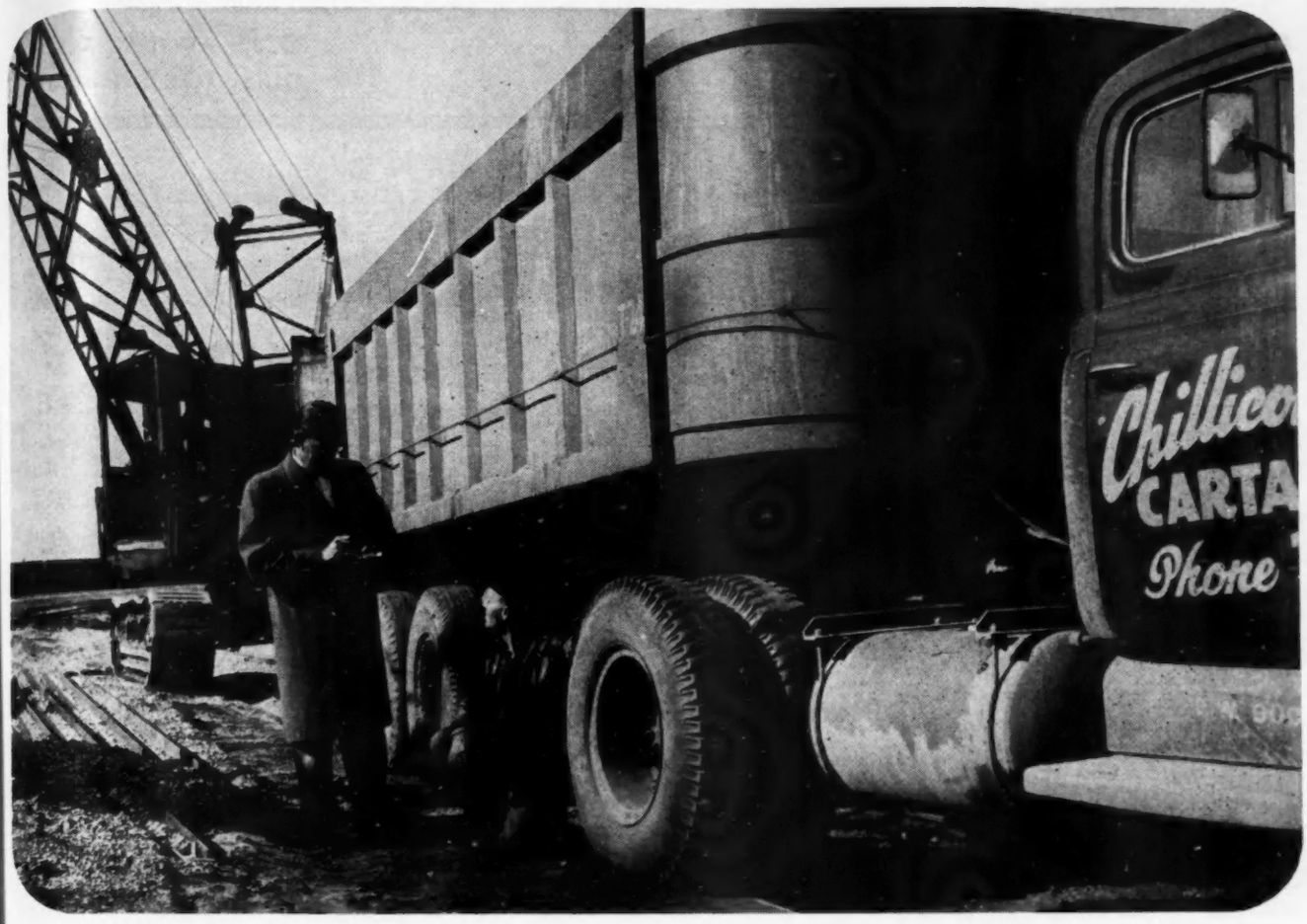
HORNS, Vacuum Operated

E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y.
Grover Products Co., 1221 S. Hope St., Los Angeles 15, Calif.
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. "Trico Claireon."
Yoder Mfg. Co., 1823 E. 17th St., Little Rock, Ark. (Wolf.)

HORSES and TRESTLES, See Stands, Adjustable

HOSE, Air Brake

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.



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BRUISE DAMAGE—Nylon's toughness virtually ends cord ruptures caused by tires hitting curbs and holes at high speeds.

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HOSE, Air Brake—*continued*

Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Crown Products Co., Ralston, Neb.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y. "Monarch."
Holfast Rubber Co., 1486 Lakewood Ave., S.E., Atlanta 1, Ga.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.
Weatherhead Co., E. 131st St., Cleveland 8, Ohio.

HOSE, Air, Tire Inflating (Rubber and Fabric)

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y. "Red Air."
Balcrank, Inc., Disney St. near Marburg, Cincinnati, Ohio.
Boston Woven Hose & Rubber Co., P. O. Box 1071, Boston 3, Mass. "Bull Dog."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Enduro," "Vitalic."
Dallas Mfg. & Sales Co., P. O. Box 7181, Dallas, Tex.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, Ohio.
Diamond Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron 8, Ohio.
Eastman Mfg. Co., 1002 N. 11th St., Manitowoc, Wis.
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y. "Conservo," "Servall."
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Holfast Rubber Co., 1486 Lakewood Ave., S.E., Atlanta, Ga.
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Holdfast."
Lincoln Engrg. Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Metal Hose & Tubing Co., W. Clinton St., Dover, N. J.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa. "Korker," "Quaker."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HOSE, Gasoline

(See also Tubing, Gasoline & Oil Line)

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y. "Smoothflex." (Synthetic rubber.)
Boston Woven Hose & Rubber Co., P. O. Box 1071, Boston 3, Mass. "Bull Dog."
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Diamond Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron 18, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y.
Metal Hose & Tubing Co., W. Clinton St., Dover, N. J. "National."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa. "Mulconroy." "New Process."
Pennsylvania Flexible Metallic Tubing Co., 72nd St. & Powers Lane, Philadelphia 42, Pa. "Penflex."
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Republic Rubber, Div. of Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
Resistoflex Corp., 39 Plansoen St., Belleville 9, N. J.
Thermoid Rubber, Div. of Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
Titeflex, Inc., 672 Frelinghuysen Ave., Newark 5, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HOSE, Grease (High Pressure)

Adams Grease Gun Corp., 54 W. 21st St., New York, N. Y.
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. Fourth St., Libertyville, Ill.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y.
Balcrank, Inc., Disney St. near Marburg, Cincinnati, Ohio.
Diamond Rubber Co., Div. of B. F. Goodrich Co., S. Main St., Akron 18, Ohio.
Eastman Mfg. Co., 1002 N. 11th St., Manitowoc, Wis.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Lincoln Engrg. Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Norgren Co., C. A., 222 Santa Fe Drive, Denver 9, Colo.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Reda-Turner Mfg. Co., 311 Page Blvd., Springfield 4, Mass.
Titeflex, Inc., 672 Frelinghuysen Ave., Newark 5, N. J.
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

HOSE, Heater

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Boston Woven Hose & Rubber Co., P. O. Box 1071, Boston 3, Mass.
Continental Rubber Works, 1946 Liberty St., Erie, Pa.
Crown Products Co., P. O. Box 1046, Omaha, Neb.
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Grey Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y.
Holfast Rubber Co., 1486 Lakewood Ave., S.E., Atlanta 1, Ga.
Miller Rubber Co., Div. B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Swan Rubber Co., 436 E. Mansfield St., Bucyrus, Ohio.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.

HOSE, Hydraulic Brake

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Bendix Products Div., Bendix Aviation Corp., 401 Bendix Drive, South Bend 20, Ind. "Bendix B-K."
Chefford Master Mfg. Co., Fairfield, Ill.
Eis Automotive Corp., Middletown, Conn.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Bundyflex."
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Tube," "Rex-Weld."
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio.
Grizzly Mfg. Co., 700 W. Caroline St., Paulding, Ohio.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio. "Delco."
Master Parts Div. of Airtex Products, Inc., Fairfield, Ill.
Motive Equipment Mfrs., Inc., 5253 Roosevelt Rd., Chicago 50, Ill. "Pilot."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Planet Metal Products Corp., 964 Dean St., Brooklyn 16, N. Y.
Raybestis-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J. (Booster.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

HOSE, Radiator

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. "Acme Flexrite." (Also 3320 S. Main St., Los Angeles 7, Calif.)
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Cooper Tire & Rubber Co., Lima & Western Aves. Findlay, Ohio.
Crown Products Co., Ralston, Neb.
Dayton Rubber Co., 2342 W. Riverview Ave., Dayton 1, Ohio.
Diamond Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron 18, Ohio.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Bendable.)
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Haywood Industries, P. O. Box 1004, Dayton 1, Ohio.
Holdfast Rubber Co., 1486 Lakewood Ave., S. E., Atlanta 1, Ga.
Johns-Manville, 22 E. 40th St., New York, N. Y. "J-M."
Kelly-Springfield Tire Co., Cumberland, Md.
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Holdfast."
Mercer Rubber Co., Hamilton Square, N. J.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.

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19,500 GVW TO 100,000 GCW

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HOSE, Radiator—*continued*

Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Roberts Flexible Hose Co., 1717 W. Walnut St., Chicago 12, Ill.
Rubbercraft Corp. of Cal., Ltd., 110 E. 17th St., Los Angeles, Calif.
Schwartz Rubber Corp., R. H., 3708 Payne Ave., Cleveland, Ohio. "Fits-All."
Swan Rubber Co., 436 E. Mansfield St., Bucyrus, Ohio.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Voit Rubber Corp., W. J., 1600 E. 25 St., Los Angeles 11, Calif. (Flexible.)

HOSE, Vacuum Brake

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind., "Amco."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Grey-Rock Div. of Raybestos - Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y. "Monarch."
Holfast Rubber Co., 1486 Lakewood Ave., S.E., Atlanta 1, Ga.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.

HOSE, Welding

(See also Cable, Welding)

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St. New York 17, N. Y. "Airco-Twin."
Boston Woven Hose & Rubber Co., P. O. Box 1071, Boston 3, Mass.
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Cincinnati Rubber Mfg. Co., Franklin Ave., Norwood, Cincinnati 12, Ohio. "Losant."
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Dockson Co., C. H., 3839 Wabash Ave., Detroit 8, Mich.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y. "Conservo," "Twin-weld."
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld." (Rubber.)
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa. (Oxy-acetylene.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG."
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Republic Rubber, Div. of Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HUBS, Wheel

Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
Dittmer Gear & Mfg. Co., 193 Grand St., Lockport, N. Y.
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Cal. (For truck trailers.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Motor Wheel Corp., 735 E. Saginaw St., Lansing 3, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.

HYDRAULIC FLUID, See Fluid, Hydraulic Brake and Shock Absorber

HYDROMETERS, Battery and Coolant

Beck, Oscar, Glass Blowing Co., 4-6 Court House Pl., Newark 2, N. J.
Bishman Mfg. Co., Osseo, Minn. (Hand and electric.)
Chaslyn Co., 1952 Irving Park Rd., Chicago 13, Ill. "Chaslyn," "S O S."
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Batrometer," "Kant Stick," "Break-Not," "Zero-Tester," "Freez-D-Tector."
Freas Glass Works, Francis L., 140 E. Ninth Ave., Conshohocken, Pa. "Clearview," "Freas."
General Scientific Equipment Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Kennedy Service Tools Co., P. O. Box 31, Mogadore, Ohio.
Kimble Glass Co., P. O. Box 1035, Toledo 1, Ohio. (Sole distributors, Imperial Glass Mfg. Co., 1200 W. Harrison St., Chicago 7, Ill.)
Kocour Co., 4800 S. St. Louis Ave., Chicago 32, Ill.
Murray Corp., Towson 4, Md.
Precision Thermometer & Instrument Co., 1465 Brandywine St., Philadelphia 30, Pa. "Princo."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J.
Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio.

IGNITION SPRAY, See Insulation for Electrical Parts

IGNITION TOOLS, See Tools, Ignition

INDICATORS, Carbon Monoxide

Cambridge Instrument Co., Inc., Grand Central Terminal, New York 17, N. Y.
Mine Safety Appliances Co., Braddock, Thomas & Meade Sts., Pittsburgh 8, Pa.

INDICATORS, Low Brake Fluid, See Signals, Low Brake Fluid

INJECTOR SYSTEMS, Gasoline & Diesel Engine

American Bosch Corp., 3664 Main St., Springfield 7, Mass. (Pumps.)
Diesel Engrg. & Mfg. Corp., 200 N. Laflin St., Chicago 7, Ill. "Demco." (Diesel.)
Diesel Equipment Div., General Motors Corp., 2100 Burlingame Ave., S.W., Grand Rapids 2, Mich.
Flint Corp., 1323 N. Water St., Milwaukee 2, Wis. (Air and water injectors.)
Hancock Diesel Service Co., 300 Walnut St., Findlay, Ohio. (Diesel reconditioning service.)
Scintilla Magneto Div., Bendix Aviation Corp., Sherman Ave., Sydney, N. Y. "Bendix."

INJECTORS, WATER (Gasoline Engine)

Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio. "Vitameter."
Waag Enterprises, 3110 Broadview Rd., Cleveland 9, Ohio.

INSPECTION SYSTEM, Parts

Magnaflux Corp., 5908 Northwest Highway, Chicago 31, Ill. "Magnaflux-Magnaglo."

INSTRUMENTS, Distributor Testing

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. "Syncrograph."
Electro Products Co., 445 E. 189th St., New York 58, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Price Instrument Engineering Co., Inc., Newport News, Va. (Manometer.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff, Inc., Joseph, Algona, Iowa. "Distrib-U-Scope."
Wells Mfg. Co., 200 W. Division St., Fond du Lac, Wis.

INSTRUMENTS, Electrical Circuit Testing

(See also Analyzers, Trouble)

AC Spark Plug, Div. of General Motors Corp., 1300 N. Dort Highway, Detroit 2, Mich. (Fuel gauge.)
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Arrow Armatures Co., 15 Fordham Rd., Boston 34, Mass.
Auto-Test, Inc., 600 S. Michigan Ave., Chicago 5, Ill.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B & G."
Bishman Mfg. Co., Osseo, Minn.
Crumbliss Mfg. Co., 3011 N. Cicero Ave., Chicago 41, Ill.
Electro Products Co., 4456 E. 189th St., New York 58, N. Y. "Trouble Shooter," "Acroset," "Coilmaster."
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y. "G-E."
Gould Storage Battery Corp., First National Bank Bldg., St. Paul 1, Minn. "Kathanode."
Hickok Electric Instrument Co., 10514 Dupont Ave., Cleveland, Ohio.
Hoyt Electrical Instrument Works, 292 Main St., Cambridge 42, Mass. (Sole distributors, Burton-Rogers Co., 292 Main St., Cambridge 42, Mass.)
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Kennedy Service Tools Co., P. O. Box 32, Mogadore, Ohio.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Lee Electronics Labs, Inc., 233 Dudley St., Boston 19, Mass. "L E L."
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Cal.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Mercury Electric Corp., 719 Wyandotte St., Kansas City, Mo.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Rectifier Engrg. Co., 1803 E. 7th St., Los Angeles 21, Calif. "Reco."
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Scintilla Magneto Div., Bendix Aviation Corp., Sherman Drive, Sidney, N. Y. "Bendix."
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo.
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill. "Silver Beauty."
Turnsignal Corp., 400 E. Rittenhouse St., Philadelphia 44, Pa. "Turnco."
Weidenhoff, Inc., Joseph, Algona, Iowa.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Westberg Mfg. Co., 144 S. Coombs St., Napa, Calif.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut." (Armature testers.)

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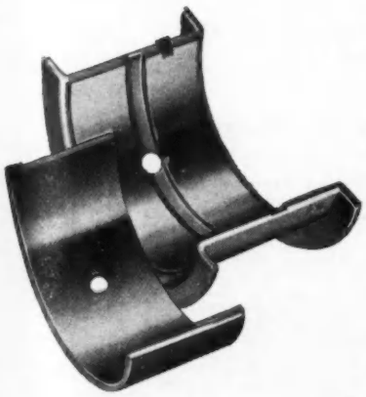

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INSTRUMENTS, Engine Testing

Allen Electric & Mfg. Co., Kalamazoo, Mich.
Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Motor Peaker."
Gale-Hall Engineering, Inc., North Hampton, N. H. "Test-X."
Kent-Moore Organization, 5-105 General Motors, Detroit, Mich.
Mercury Battery Charger Co., 719 Wyandotte St., Kansas City 6, Mo.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

INSTRUMENTS, Battery Testing

(See also Hydrometers)

Associated Equipment Corp., 5147 Natural Bridge, St. Louis 15, Mo.
Baldor Electric Co., 4357 Duncan Ave., St. Louis 10, Mo. "Handy."
Bowers Battery & Spark Plug Co., Reading, Pa.
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa. "Exide."
General Scientific Equip. Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Gould-National Batteries, Inc., E-1201 First National Bldg., St. Paul 1, Minn. "Kathanode."
Heyer Industries, Inc., 471 Cortlandt St., Belleville, N. J.
Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio. "Hickok Chargicator."
Hoyt Electrical Instrument Works, 292 Main St., Cambridge 42, Mass. (Sole distributors, Burton-Rogers Co., 292 Main St., Cambridge 42, Mass.)
Jordan Electrical Mfg. Co., 222 N. Second St., Minneapolis 1, Minn.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Calif. "C & C."
Marquette Mfg. Co., Inc., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo.
Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Rectifier Engrg. Co., 1803 E. 7th St., Los Angeles 21, Calif. "Reco."
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Triple A Specialty Co., 2101 Walnut St., Chicago 12, Ill. "Silver Beauty."
Tungsten Spark Plug Mfg. Co., Tungsten Bldg., 1716 S. Michigan Ave., Chicago 16, Ill.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

INSULATION, For Electrical Parts (Liquid)

American Latex Products Corp., 3341 W. El Segundo Blvd., Hawthorne, Calif.
American Rust Proof Co., 8 W. 40th St., New York, N. Y. "Vatu-Lac." (For ignition systems and battery terminals.)
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Boruski, Jr., Ernest F., 162 W. 54th St., New York 19, N. Y.
Champion Cable Co., 1805 E. 40th St., Cleveland 3, Ohio.
Dow Corning Corp., Mialana, Mich.
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
General Electric Co., Chemical Div., 1 Plastics Ave., Pittsfield, Mass. "G-E."
Ignition-Ite Products Co., 7146 E. Dinwiddie St., Downey, Calif. (For ignition systems; sole distributors, Eagle Distributing Co., 6411 Hollywood Blvd., Los Angeles 28, Calif.)
Insul Products Corp., 4902 Ave. L, Brooklyn 34, N. Y. "Red Insul." (For ignition systems.)
Krylon, Inc., 1422 Chestnut St., Philadelphia 2, Pa. (For ignition wiring, battery terminals, etc.)
M-M-A, Inc., P. O. Box 411, Lancaster, Pa. "Spritzit Color-Spra."
Radiator Specialty Co., 1700 Dowd St., Charlotte 1, N. C. "Ignition Seal." (For ignition systems.)
U. S. Industrial Chemicals, 120 Broadway, New York 5, N. Y.
V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif. (Ignition.)
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite." (For ignition systems.)
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Electricote." (For ignition systems, etc.)
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis.
Zip Abrasive Co., 1360 W. 9th St., Cleveland 13, Ohio. "Shortstops." (Ignition system.)

INSULATION, Felt, Hair, Paper, Glass, Fiber, Wool, etc.

American Hair & Felt Co., 1828 Merchandise Mart, Chicago, Ill. (Hair and felt.)
Armstrong Cork Co., Industrial Div., Lancaster, Pa.
Arvey Corp., 6401 E. Nevada Ave., Detroit 12, Mich. Nodrum," "Reflex." (Felt.)
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Brandywine Fibre Products Co., 1441 Poplar St., Wilmington, Del.
Burlington Mills Inc., Burlington, Wis. "Bur-Tex." (Plastic coated trunk lining.)
Continental-Diamond Fibre Co., Newark 10, Del. "Vulcoid," "Diamond."
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "DG."
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. "Ethocel" & "Styron." (Expanded polystyrene for trailers.)
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y. (Felt and paper.)
Franklin Fibre-Lamitex Corp., 195 E. 12th St., Wilmington, Del.
Gilman Bros. Co., Gilman, Conn. (Flameproof cotton.)
Glass Fibers, Inc., 1810 Madison Ave., Toledo 2, Ohio. "Microlite." (Glass wool.)
Great American Industries, Inc., Rubatex Div., Bedford, Va. (Cellular rubber.)
Gustin-Bacon Mfg. Co., 230 W. 10th St., Kansas City, Mo. "Ultralite."
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. (Rock wool.)
Keystone Roofing Mfg. Co., Franklin St. & P. R. R., York, Pa. "Conewago." (Paper.)
Libbey-Owens-Ford Glass Co., Nicholas Bldg., Toledo 3, Ohio. "LOF." (Fibre glass.)
Maish Co., Chas. A., Oxford Rd., Franklin, Ohio. (Jute and cotton.)
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del. "Peerless."
Owens-Corning Fiberglass Corp., Nicholas Bldg., Toledo 1, Ohio. (Fibre glass.)
Pittsburgh Plate Glass Co., Fiber Glass Div., 632 Duquesne Way, Pittsburgh 22, Pa. "P P G." (Fiber glass.)
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y. (Felt.)
Seaman Products Div. of Seaman Paper Co., 1858 W. Hubbard St., Chicago 22, Ill. "Seapak."
Silvercote Products Inc., 161 E. Erie St., Chicago 11, Ill. (For refrigerator bodies.)
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y. "Spauldo." (Paper, for motors.)
Taylor Fibre Co., Norristown, Pa.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "U. S. Flotofoam." (Plastic foam.)
Western Felt Works, 4029 Ogden Ave., Chicago 23, Ill. (Felt.)
Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington, Del. "Fyberoid."
Wilson & Co., 4100 S. Ashland Ave., Chicago, Ill. "Naturzone." (Sole distributors, Automotive Materials Corp., Fisher Bldg., Detroit, Mich.)

INSULATORS, Spark Plug

Crowley & Co., Henry L., 1 Central Ave., West Orange, N. J. "Crolite."
Frenchtown Porcelain Co., 83 Muirhead Ave., Trenton, N. J.
Luthy Co., F. A., 302 Cooper St., Jackson, Mich.
Sealtight Corp., 228 First St., N.E., Cedar Rapids, Iowa.

IRONS, Soldering (Electric)

American Electrical Heater Co., Woodward, Cass & Burroughs Aves., Detroit 2, Mich. "American Beauty."
Dixon, Inc., William, 32 E. Kinney St., Newark 1, N. J.
Dockson Corp., 3839 Wabash Ave., Detroit 8, Mich.
General Electric Co., Apparatus (Sales Div.), 1 River Rd., Schenectady 5, N. Y. "G-E."
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Kwikheat Mfg. Co., 3732 San Fernando Bldg., Glendale 4, Calif.
Lenk Mfg. Co., 30 Cummington St., Boston 15, Mass.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Prest-O-Lite."
Luma Electric Equipment Co., P. O. Box 132, Toledo 1, Ohio.
Peerless Novelty Co., First & Fulton Sts., Grand Haven, Mich.
Phillips Mfg. Co., 2816 Aldrich Ave. S., Minneapolis 8, Minn. "Flash," "Phillips," "Versa-Tool."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stanley Tools, 111 Elm St., New Britain, Conn.
Turnsignal Corp., 400 E. Rittenhouse St., Philadelphia 44, Pa. "Turnco."
Vulcan Electric Co., 88 Holten St., Danvers, Mass. "Vulcan," "Mercury" & "Jackson."
Wall Mfg. Co., P., P. O. Box 71, Grove City, Pa. "Harmic."
Wasserleing Mfg. Co., Inc., 7400 3rd Ave., No. St. Petersburg 6, Fla.
Weller Electric Corp., 808 Packer St., Easton, Pa. "Duratip," "Flextip," "Solderite," "Rigid-tip," "Sturditip."

IRONS, TIRE BRANDING

Merkert & Sons, 146-10 Jamaica St., Jamaica, N. Y.
Vulcan Electric Co., 88 Holten St., Danvers, Mass.

JACKS, Spring

(For use in removing spring shackle bolts and in spring lubricating)

Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Lift-Post."
Robison Air Jack Co., 2345 Jerrold Ave., San Francisco 24, Calif.
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."

JACKS, Transmission

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio.
Cleveland Pneumatic Tool Co., 3781 E. 77th St., Cleveland 5, Ohio.
General Automotive Tool and Equipment Co., 130 Orchard St., Grand Ledge, Mich. "Hydra-Lift."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Manzel Div. of Frontier Industries, Inc., 315 Babcock St., Buffalo 10, N. Y. "Manzel Trans-Lift."
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. 9th St., Springfield, Ill.

JACKS, Vehicle (Hydraulic)

Ajax Auto Parts Co., 1201 Michigan Blvd., Racine, Wis.
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Drednaut."
Bee-Line Co., Box 569, Davenport, Iowa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Blackhawk," "Lightning Lift."
Buda Co., 154th St. & Commercial Ave., Harvey, Ill.

Safety? Yes ✓ Silence? Yes ✓ Truck Muffler!

The release of this series of Heavy Duty Mufflers by The AP Parts Corporation is in accordance with the Truck Noise Reduction Program now being conducted by the American Trucking Association.

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Fleet Course Directory

FLEET training courses have proved themselves an excellent source of trained personnel and best way to keep up-to-date on latest techniques in the fields of maintenance and safety. Here is a state-by-state address list of schools where such courses are available. By contacting the nearest schools, advance notice of courses will be sent in time to plan for registration and attendance.

Alabama—Ben E. Harris, Trade and Industry Education, University of Alabama, University.

California—(1) Bob Glenn, Room 114, Building T-11, University of California, Berkeley 4, and (2) J. H. Mathewson, Department of Engineering, University of California, Los Angeles 24.

Colorado—W. M. Lewis, Program Coordinator, University of Colorado, Denver.

Florida—G. Manuel Turner, General Extension Division, University of Florida, Gainesville.

Georgia—G. L. Gifford, Department of Motor Transportation, University of Georgia, Atlanta.

Illinois—(1) F. P. Lowry, Course Director, The Traffic Institute, Northwestern University, Evanston, and (2) H. S. Hall, College of Commerce and Business Administration, University of Illinois, Urbana.

Indiana—Shelby Gallien, Public Safety Institute, Purdue University, Lafayette.

Iowa—Marvin E. Gould, Engineering Extension Services, Iowa State College, Ames.

Louisiana—H. A. Flanakin, College of Engineering, Louisiana State University, Baton Rouge 3.

Maryland—S. S. Steinberg, Department of Engineering, University of Maryland, College Park.

Michigan—(1) John C. Kohl, Civil Engineering Department, University of Michigan, Ann Arbor, and (2) Bernard I. Loft, Continuing Education, Michigan State College, East Lansing.

Minnesota—Fred Berger, Center for Continuation Study, University of Minnesota, Minneapolis 14.

Missouri—Willis H. Reals, University College, Washington University, St. Louis 5.

Montana—E. W. Schilling, Montana State College, Bozeman.

Nebraska—Robert A. Ratner, Engineering Specialist, University of Nebraska, Lincoln.

New Hampshire—Frank H. Plaisted, University Extension, University of New Hampshire, Durham.

New Jersey—Harry S. Layton, University Extension Division, Rutgers University, New Brunswick.

New York—(1) Herbert J. Stack, Center for Safety Education, New York University, New York 11, and (2) Burton P. Crandall, Syracuse University, Syracuse 10.

North Carolina—Edward W. Ruggles, College Extension Division, North Carolina State College, Raleigh.

Massachusetts—Frank M. Cushman, Traffic Management Institute, Northeastern University, Boston 15.

Ohio—Kenneth Lawyer, Cleveland College, Public Square, Cleveland.

Oklahoma—John B. Freeman, Director of Short Courses and Conferences, University of Oklahoma, Norman.

Oregon—Martin P. Coopey, Department of Civil Engineering, Oregon State College, Corvallis.

Pennsylvana—Amos E. Neyhart, Institute of Public Safety, The Pennsylvania State College, State College.

Tennessee—William Way, Jr., School of Business Administration, The University of Tennessee, Knoxville.

Texas—(1) James R. D. Eddy, Division of Extension, University of Texas, Austin 12, and (2) Vernon L. Engberg, Police and Traffic Safety, University of Houston, Houston.

Virginia—William Bowden, Extension Division, University of Virginia, Richmond 20.

Washington—Fred H. Rhodes, Jr., University of Washington, Seattle.

Wisconsin—George R. Sell, Extension Offices, Stadium, University of Wisconsin, Madison.

JACKS, Veh. (Hyd.)—*continued*

Buehrle & Son, Inc., Philip H., 168 Manalapan Rd., Spotswood, N. J. "E-Z."
Cleveland Pneumatic Tool Co., Automotive Div., 3781 E. 77th St., Cleveland 5, Ohio. "Aerol."
Duff-Norton Mfg. Co., 2709 Preble Ave., N. S., Pittsburgh, Pa. "Lo-Hite."
Hein-Werner Corp., 1200 National Ave., Waukesha, Wis.
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio. (Hand and floor.)
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 7, Neb. (Bumper.)
Kingston Products Corp., 1400 N. Webster St., Kokomo, Ind.
Lee Engineering Co., 505 Central Ave., Pawtucket, R. I. "Auto-Lift."
March Engrg. Co., Oshkosh, Wis.
Manley Mfg. Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Manzel, Inc., 315 Babcock St., Buffalo 10, N. Y.
Reliable Jack Div. of Dayton Malleable Iron Co., 1401 W. Second St., Dayton, Ohio.
R U Jack Corp., P. O. Box 205, Arcade, N. Y.
Scott-Atwater Mfg. Co., 2901 E. Hennepin Ave., Minneapolis 13, Minn.
Smith Equipment Corp., Herb., 414 Taylor Bldg., Rochester, N. Y.
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 6, Mich. "Step-Draulic."
Templeton, Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. "Simplex." (Truck.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Vulcan Mfg. Co., 400 W. Third St., Winona, Minn. "Vulcan Ace-Hy," "Vulcan Imperial," "Vulcan Royal."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Zamax Mfg. Co., W. Broad St. & Maple Ave., Haverstraw, N. Y. "Lift-King," "Pump-A-Jack."

JACKS, Vehicle (Mechanical)

Affolter Mfg. Co., 1225 5th St., S.W., Canton 11, Ohio. "Blitz."
Aircapitol Mfrs., Inc., 1618 S. Mead St., Wichita, Kansas. "Vee Jack."
Ajax Auto Parts Co., 1201 Michigan Blvd., Racine, Wis.
Automatic Steel Products, Inc., Spun Steel Div., 1201 Camden Ave., S. W., Canton 6, Ohio. "Spunsteel."
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Drednaut," "Auscolift."
Caster Mold & Machine Co., 1171 Wooster Rd., N., Barberton, Ohio. "Queen of Jacks." (Scissor type.)
Dalton Foundries, Inc., Warsaw, Ind. "Big Boy," "Little Big Boy." (Scissor type.)
Duff-Norton Mfg. Co., 2709 Preble Ave., N. S. Pittsburgh, Pa.
Hyde Park Iron Works Co., 931 E. 51st St., Brooklyn 3, N. Y.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Reliable Jack Div. of Dayton Malleable Iron Co., 1401 W. Second St., Dayton, Ohio.
Saginaw Steering Gear Div., General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich. (Bumper.)
Sal Metal Products Co., 120 Freeman St., Brooklyn, N. Y.
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio. "E-Z Lift."
So-Lo Jack Co., Attleboro, Mass.
Templeton, Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. (Truck.)
Triangle Jack Co., 1208 S. Washington St., Wichita, Kan. "Triangle," "Miracle." (Chain type.)
Vulcan Mfg. Co., 400 W. Third St., Winona, Minn. "Saf-T-Lift."
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Woodworth Corp., C. B., Greene, N. Y.

JIGS, Connecting Rod Aligning

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Olson Co., Thomas C., 609 E. Washington Ave., Madison 3, Wis.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason."
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

JIGS, Ring Gear Riveting

Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.

KEYS, Valve Stem

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.

KITS, Cylinder Block Repairs

(Advertisers only)

K. & W. Products, Inc., 8319 Allport Ave., Whittier, Calif.
Versnick Mfg. Co., 4700 E. Nevada St., Detroit 34, Mich.

KITS, Spare Bulb & Fuse

(Advertisers only)

Yankee Metal Products Corp., Norwalk, Conn.

LACQUERS

(See also Enamels)

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Co-Loidal-Ac."
American Paint Co., 902 Larrabee St., Chicago 10, Ill. (Nitro-cellulose for commercial vehicles.)
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio. "Arcozon."
Atlas Powder Co., Stamford, Conn. "Zapon."
Automotive Finishes, Inc., P. O. Box 457 Northwestern Station, Detroit 4, Mich.
Baer Bros., 438 W. 37th St., New York, N. Y.
Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
Beckwith-Chandler Co., Delancey & Rutherford Sts., Newark, N. J. "B/C."
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich.
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite," "Morblack."
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Day & Co., James B., 1872 Clybourn Ave., Chicago 14, Ill. "Daconite."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich. "Ditz-Lac."
Donahue Varnish Co., F. J., 10586 Knodell Ave., Detroit 13, Mich.
du Pont de Nemours & Co., E. I., Finishes Div., Refinish Sales, Wilmington 98, Del. "Duco." (Pyroxylin.)
Flood & Conklin Co., 132 Chestnut St., Newark 5, N. J.
Forbes Finishes Div., Pittsburgh Plate Glass Co., 3800 W. 143rd St., Cleveland 11, Ohio. "Nitroloid," (Nitro-cellulose and Ethyl cellulose.)
Glidden Co., 11001 Madison Ave., Cleveland, Ohio.
Hilo Varnish Corp., 54 Stewart Ave., Brooklyn 6, N. Y.
Horn Co., A. C., 10 St. & 44 Ave., Long Island City 1, N. Y.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Lucote." (Nitro-cellulose.)
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill. "Hi-Solids." (Nitro-cellulose.)
Nason & Co., R. N., 151 Potrero Ave., San Francisco, Calif. "A. N. L."
Nikolas & Co., G. J., 1227 Van Buren St., Chicago 7, Ill. "Nik-O-Lac."
Oxidermo Products, Inc., Springport, Mich.
Pierce & Stevens, Inc., 710 Ohio St., Buffalo, N. Y. "P & S."
Pittsburgh Plate Glass Co., Paint Div., 2000 Grant Bldg., Pittsburgh 19, Pa. "Mimax."
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich. "R-M." (Nitro-cellulose.)
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Opex."
Standard-Toch Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Stand-Lac."
United Chromium, Inc., 100 E. 42nd St., New York 17, N. Y.
V.E.P. Co., 440 E. Lafayette Ave., Detroit 26, Mich."Veco."

LAMP BULBS, Miniature Incandescent

Carlton Lamp Div. Hudson Lamp Co., 528 Elm St., Arlington, N. J.
General Electric Co., Lamp Div., Nela Park, Cleveland, Ohio. "G. E."
Hudson Lamp Co., 528 Elm St., Arlington, N. J.
Matchless Electric Co., 1700 Washington Blvd., Chicago 12, Ill.
National Carbon Co. Div. of Union Carbide & Carbon Co., 30 E. 42nd St., New York 17, N. Y. "Eveready."
Save Lamp Co., 3687 Ash St., Baltimore 11, Md.
Sylvania Electric Products, Inc., Lighting Div., 60 Boston St., Salem, Mass.
Tung-Sol Electric, Inc., 95 Eighth Ave., Newark 4, N. J.
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J.

LAMP LENSES, See Lenses, Lamp

LAMPS, Back-Up, Clearance, Cowl, Dome, Fender, Tail, Parking and Stop

Akron Specialty Mfg. Co., 119 Ira Ave., Akron 1, Ohio. (Marker.)
American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee Hy-Power," (Tail, parking and clearance; also "King Bee Regular.")
Anthes Force Oiler Co., Ft. Madison, Iowa. (Tail, parking and clearance.)
Apco Mossberg Co., Lamb St., Attleboro, Mass. "Stream-A-Lite." (License plate.)
Auto Lamp Mfg. Co., 2009 S. Indiana Ave., Chicago 16, Ill. "Pathfinder." (Clearance.)
Arrow Safety Device Co., M. Holly, N. J. (Tail, dome, parking and clearance.)
Betts Machine Co., 1800 Pennsylvania Ave. W., Warren, Pa. "Warren Snap Seal."
Bolser Corp., S. Main St., Cedar Falls, Iowa. (Clearance and marker.)
Bowman Automotive Plastics Co., Box 338, Olmstead Falls, Ohio. (Tail.)
Cole Automotive Products Co., 2705 S. Michagan Ave., Chicago 16, Ill. "Merit." (Clearance tail and marker for trucks and buses.)
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Catseye." (Dome, marker, clearance, back-up, etc.)
Cox Mfg. Co., 111 S. Washington St., Angola, Ind. "Hartline." (Clearance.)
Delbar Products, Inc., Seventh & Spruce Sts., Perkasie, Pa. (Tail, parking, clearance and back-up.)
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (Dome, back-up, tail, parking, running board and clearance.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Swa-Bak."
Electric Auto-Lite, Co., Lamp Div., Lockland, Ohio. (Cowl, fender, tail and clearance.)
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. "Keystone."
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.

on the Burlington Route

"Our semi's run smoother with ASF 5th wheels"

There's just no topping the performance of an ASF Safety 5th Wheel on the road, according to Lloyd LaGrow, Maintenance Superintendent at Burlington Truck Lines Inc. in Galesburg, Illinois. He says:

> "Our semi's run smoother with ASF Safety 5th Wheels. Burlington drivers can tell the difference without looking, just by the way the semi handles. Your king-pin jaw is backed up with a rubber block, which acts as a shock absorber.
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> "The same block also gives us complete freedom from slack. That's important, because even a little slack causes wear, which causes more slack, and so on.
>
> "Smoother operation and lower maintenance costs are the reasons why we certainly expect to continue using ASF Safety 5th Wheels as more tractors are added to the Burlington fleet."

Smoother operation of *any* equipment is bound to result in lower maintenance costs. That's particularly true of 5th wheels, as Mr. LaGrow points out. Other fleet operators may give you other reasons why they standardize on ASF wheels : : : but the fact remains that *once they use these wheels, they're seldom satisfied with a substitute.*

Just to satisfy your own curiosity, install an ASF 5th Wheel on *one* of your tractors. You don't need to keep it under a microscope to tell the difference! See your nearest ASF Distributor, or write to American Steel Foundries, Automotive Division, 410 North Michigan Ave., Chicago 11, Ill.

Make an investment in safety... with

ASF safety 5th wheels

ASF Safety 5th Wheels

A 3000-pound "compression-grip" saves your maintenance dollars...

COUPLING—as the king-pin enters the jaws, the jaws are forced back against the exclusive ASF rubber buffer block, building up compression.

COMPRESSING—3000 pounds are built up before the lock clears the rear jaw, allowing it to snap to locked position.

LOCKED—and the jaws *remain* under compression. The grip is like a vise; eliminates the slack and backlash that can cost you money in added 5th wheel and king-pin wear.

A quick glance tells you the lock is locked...

LOCKED—as quickly shown by the lever and safety latch—which can *only be in these positions* when the jaws are truly locked.

UNLOCKING—with an easy twist of the wrist. Simply move the safety latch up, and pull and lever forward.

UNLOCKED—ready for uncoupling; parts in lockset position. *Handle can only move back to locked position when jaws are locked in next coupling operation!*

LAMPS, Back-up, Etc.—*continued*

General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio. (Tail, dash, dome and trunk.)
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio. (Clearance, back-up, tail and marker and flashing warning lamps.)
Grote Mfg. Co., Grote Square, Bellevue, Ky. (Tail, back-up, dome, clearance, combination stop, tail and license bracket.)
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
H & P Die & Stamping Co., 13945 Triskett Rd., Cleveland 11, Ohio.
Hall Lamp Co., C. M., 1035 Hancock Ave., E., Detroit, Mich. "Solar."
Hollywood Accessories, Inc., 401 E. Washington Blvd., Los Angeles 15, Calif. (License plate.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Kreger Mfg. Co., L. F., 540 W. 35th St., Chicago 16, Ill. (Clearance, For trucks.)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "R-J." (Parking.)
Lumidor Mfg. Co., 4801 E. 50th St., Los Angeles 58, Calif. (Back-up, warning and clearance.)
McKee Glass Co., Bullitt Ave., Jeanette, Pa. (Dome.)
Miro-Flex Co., 1824 E. 2nd St., Wichita 7, Kan. (Clearance and marker.)
Norlipp Co., 5926 S. Lowe Ave., Chicago 21, Ill (Clearance and back-up.)
Piqua Engineering, Inc., 112 E. Ash St., Piqua, Ohio. (Side lamps for hearses and ambulances.)
Rosen & Co., A. W., 1801 First Ave., New York 28, N. Y. "Rosco." (Cowl, fender parking and clearance.)
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Cal. (Tail, parking clearance, fender, back-up and dome.)
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio. "Torpedo." (Parking.)
Sparton Automotive Div. of Sparks-Withington, Jackson, Mich. (Armored, clearance, flush-type, back-up, marker, tail, and combination stop and tail.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis. (Back-up, clearance, tail and marker.)
Standard-Thompson Corp., 216 S. Main St., Dayton 2, Ohio. (Back-up.)
Superior Parts Mfg. Corp., 1922 W. Grand Ave., Chicago 22, Ill. "Saf-T-Ray." (Clearance.)
Ternstedt Div. General Motors Corp., 6307 W. Fort St., Detroit 9, Mich. (Dome.)
Thatcher Glass Mfg. Co., McKee Div., Box 265, Elmira, N. Y. (Dome.)
Trippe Mfg. Co., 609 W. Lake St., Chicago 6, Ill.
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer." (Back-up.)
U. S. Tool & Mfg. Co., 1528 Armitage Ave., Chicago 22, Ill. "Eagle Brand." (Clearance and tail.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill. (Back-up.)
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Fender, back-up, clearance, dome, parking and tail.)

LAMPS, Drying, Baking and Heating

Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Fostoria Pressed Steel Corp., N. Main St., Fostoria, Ohio. "Fostoria Evenray." (Infra-red.)
Master Mfg. Co., 811 W. Cabrini St., Chicago 7, Ill. (Infra-red.)
North American Electric Lamp Co., 1014 Tyler St., St. Louis 6, Mo. "Nalco-Drithern." (Infra-red.)
Penetray Corp., 615 Front St., Toledo 5, Ohio. (Infra-red.)
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J.

LAMPS, Fog, Head and Spot

American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee Glasseal," "King-Bee Hy-Power."
Appleton Electric Co., 1701 Wellington Ave., Chicago 13, Ill. "Appleton," "Lorraine." (Spot.)
Arrow Safety Device Co., Mt. Holly, N. J. (Fog.)
Autocessories Ltd., Div. of Arnolt Corp., Argonne Rd., Warsaw, Ind. "Arno-Lite." (Spot.)
Auto Lamp Mfg. Co., 2909 S. Indiana Ave., Chicago 16, Ill "Pathfinder." (Fog.)
Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill. "Eureka." (Fog and road.)
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill. (Spot center mounted.)
Carpenter Mfg. Co., 195 Master Light Bldg., Somerville 45, Mass. "Master-lights," Roof-mounted, colored and flashing warning lights; "Roofmaster," Roof-mounted spot.
Casco Products Corp., 512 Hancock Ave., Bridgeport 2, Conn. (Spot.)
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Catseye." (Fog and road.)
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (Fog and spot.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Nobby."
Electric Auto-Lite Co., Lamp Div., Lockland, Ohio. "Sealtite." (Fog and road.)
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa.
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio. (Fog and spot.)
General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio. (Fog.)
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio. (Fog.)
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky. (Fog.)
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Hall Lamp Co., C. M., 1035 E. Hancock Ave., Detroit, Mich. "Bi-Ray," "Depressbeam," "Flex Beam."
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Lumidor Mfg. Co., 4801 E. 50th St., Los Angeles 58, Calif. "Royal Lumidor." (Fog.)
Matchless Electric Co., 1423 W. Lake St., Chicago 7, Ill.
Portable Light Co., 216 William St., New York 7, N. Y.
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Calif.
Spartan Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Fog and auxiliary driving.)
Standard-Thompson Corp., 216 S. Main St., Dayton 2, Ohio. "Mobilite." (Spot.)
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill. "Trippe Safetylight."
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer." (Fog.)
United Motor Service, General Motor Bldg., Detroit 2, Mich.
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill. ("Safetylight" Spot; "Unity" fog.)
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J.
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Also combination mirror and spot light.)

LAMPS, HEAD, See Lamps, Fog, Head and Spot

LAMPS, Sealed Beam

Electric Auto-Lite Co., Toledo 1, Ohio.
General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio.
Guide Lamp Div. General Motors Corp., 25 St. & Arrow Ave., Anderson, Ind.
Trippe Mfg. Co., 609 W. Lake St., Chicago 6, Ill.
Tung-Sol Electric, Inc., 95-8th Ave., Newark 4, N. J.
United Motor Service, General Motor Bldg., Detroit 2, Mich.
Westinghouse Electric Corp., Lamp Div., MacArthur Ave., Bloomfield, N. J.

LAMPS, Tell-Tale (Rear Signal or Tail Lamp Dash)

Cole-Hersee Co., 20 Old Colony Ave., Boston 20, Mass.
Eklind Tool & Mfg. Co., 2627 N. Western Ave., Chicago 47, Ill.
Signal-Stat Corp., Signal-Stat Bldg., 523-39 Kent Ave., Brooklyn 11, N. Y. (Hand brake and stop light.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis. (Hand brake.)

LAMPS, Trouble, Battery Operated

Alden Products Co., 117 N. Main St., Brockton 64, Mass. "Alden Save-Ur-Life." (Plugs into cigar lighter socket.)
Bowman Automotive Plastics Co., Box 336, Olmstead Falls, Ohio.
Busch & Co., A. G., 2632 N. Central Ave., Chicago 39, Ill. "Safety-Flare." (Plugs into cigar lighter socket.)
Cole-Hersee Co., 20 Old Colony Ave., Boston 20, Mass.
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Guide Lamp Div., General Motors Corp., 25th St. and Arrow Ave., Anderson, Ind. (Plugs into cigar lighter socket.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S." (Also magnetic.)
Perfection Automotive Products Corp., 725 W. Elizabeth St., Detroit 1, Mich.
Precision Electric Tool & Mfg. Co., 98 Union St., Worcester, Mass.
Standard Portable Cord Div., Lincoln Park Industries, 1300 E. 2 St., Jamestown, N. Y. "Car-Lighter."
U-C Lite Mfg. Co., 1050 W. Hubbard St., Chicago 22, Ill. "Big Beam."
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill.
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.

LAMPS, Trouble (Electric)

Appleton Electric Co., 1701 Wellington Ave., Chicago 13, Ill. "Reelite."
Arrow Safety Device Co., Mt. Holly, N. J.
Benjamin Reel Products, Inc., 10700 Broadway, Cleveland 25, Ohio.
Black Mfg. Co., M., 300 N. Third St., Philadelphia 6, Pa. "B-Line."
Carpenter Mfg. Co., 195 Master-Light Bldg., Somerville 45, Mass.
Champion Cable Co., 1805 E. 40th St., Cleveland 30, Ohio. "Clark."
Crescent Co., Pawtucket, R. I.
Eagle Electric Mfg. Co., 23-10 Bridge Plaza, S., Long Island City, N. Y.
General Electric Co., Appl. & Mdse. Dept., Bridgeport, Conn. "G-E."
Glade Mfg. Co., 1632 W. 75th Place, Chicago 20, Ill. "Climax," "Super."
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kliegl Bros. Universal Electric Stage Lighting Co., 321 W. 50th St., New York, N. Y.
Magnetix, Inc., 101 S. Van Brunt St., Englewood, N. J. (Magnetic.)
McGill Mfg. Co., Electrical Div., 259 Indiana Ave., Valparaiso, Ind.
Ohio Parts Co., Theresa St. & Chouteau Ave., St. Louis 3, Mo.
Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.
Revere Electric Mfg. Co., 6009 Broadway, Chicago 40, Ill.
Royal Electric Co., Pawtucket, R. I.
Save Lamp Co., 3687 Ash St., Baltimore 11, Md.

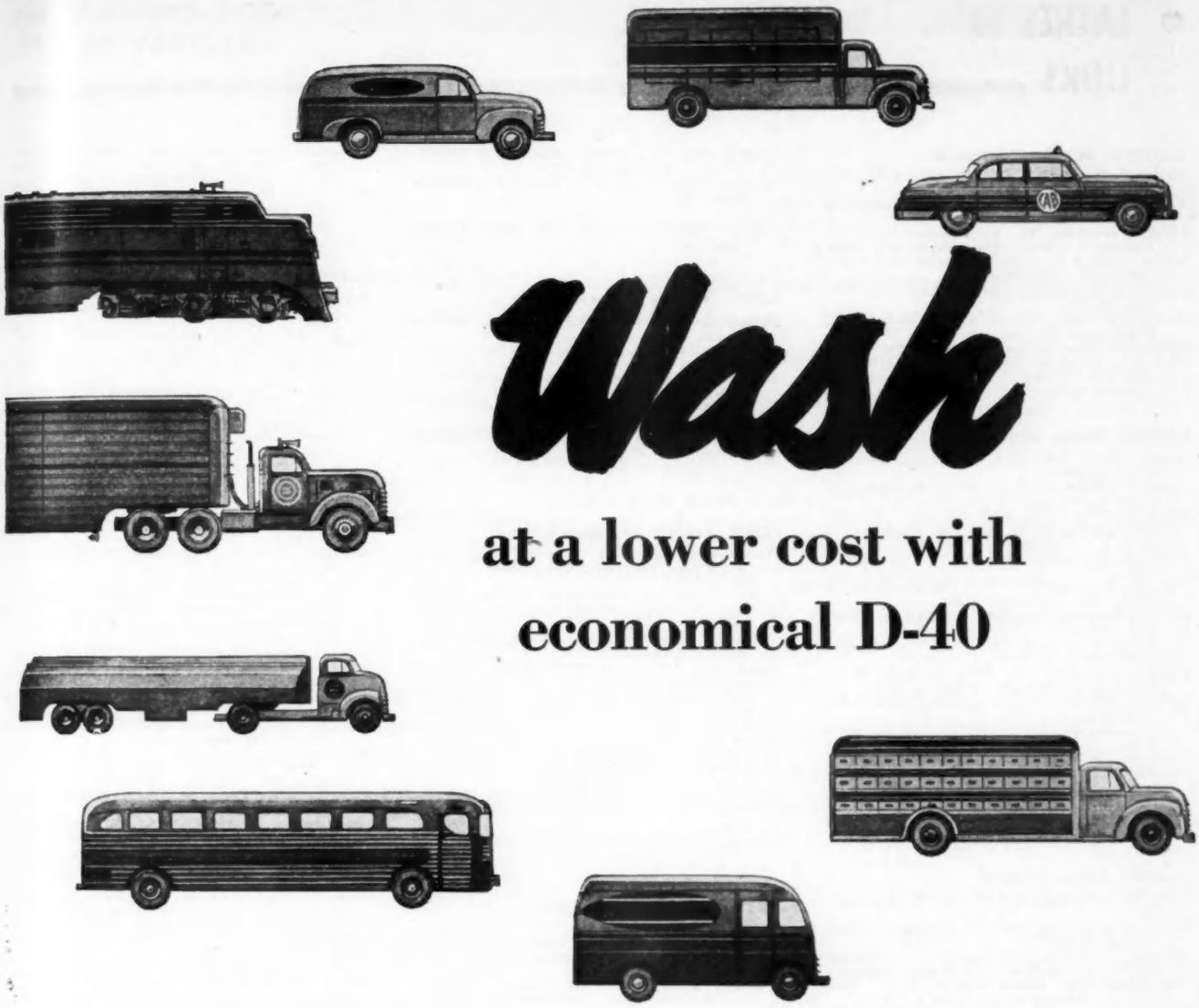
LAMPS, Trouble

Standard Portable Cord Div., Lincoln Park Industries, 1300 E. 2nd St., Jamestown, N. Y. "Magic-Lite."
Thompson-Neaylon Mfg. Co., 3545 S. Morgan St., Chicago 9, Ill.
U-C Lite Mfg. Co., 1050 W. Hubbard St., Chicago 22, Ill. "Big Beam."

LANDING GEARS, TRAILER, See Gears, Landing Trailer

LATHES, Bench

Atlas Press Co., 1842 N. Pitcher St., Kalamazoo, Mich.
Blount Co., J. G., Woodland St., Everett 49, Mass.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Elgin Tool Works, 67 N. State St., Elgin, Ill.
Hardinge Bros., Inc., 1418 College Ave., Elmira, N. Y. (Precision.)



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600 S. MICHIGAN AVENUE, CHICAGO 5, ILLINOIS
MERCANTILE SECURITIES BUILDING, DALLAS 1, TEXAS

LATHES, Bench—*continued*

Hjorth Lathe & Tool Co., 12 Beacon St., Woburn, Mass. (Precision.)
LeBlond Machine Tool Co., R. K., Madison & Edwards Rds., Cincinnati 8, Ohio.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Rivett Lathe & Grinder, Inc., 20 Riverview Rd., Brighton, Boston, Mass.
Sheldon Machine Co., 4240 N. Knox Ave., Chicago 41, Ill.
South Bend Lathe Works, 425 E. Madison St., South Bend 22, Ind.
Springfield Machine Tool Co., Springfield, Ohio.
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trueut." (Piston regrooving & cleaning lathe.)

LATHES, Brake Drum

Ammco Tools, Inc., 2118 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Dixie Machine Tool Div. of Avey Drilling Machine Co., P. O. Box 625, Cincinnati 1, Ohio.
Evans Reamer & Machine Co., New Lexington, Ohio.
Greaves Machine Tool Co., Eastern Ave. & Hazen St., Cincinnati, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason."
Sunstrand Machine Tool Co., 2531 Eleventh St., Rockford, Ill.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
VanTool, 139 N. 22nd St., Philadelphia 3, Pa.
Waddell Equipment Co., 101 South Ave., Garwood, N. J.

LATHES, COMMUTATOR, See Undercutters, Mica

LENSES, Lamp (Glass)

Dearborn Glass Co., 2414 W. 21st St., Chicago, Ill.
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill.
Johnson Glass Co., 5248 Elston Ave., Chicago 30, Ill. "Lynx-Eye." (Tail and parking.)
K-D Lamp Div., Noma Electric Corp., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn.
Kopp Glass, Inc., Palmer & Carrie Sts., Swissvale, Pa. (Colored.)
Lancaster Lens Co., 220 W. Main St., Lancaster, Ohio. (Tail, stop, parking, back-up, directional, interior, etc.)
Parts Mfg. Co., 311 W. 66 St., N. Y. 23, N. Y. "Parco."
Sinclair Glass Co., Main & High Sts., Ceredo, W. Va. (Tail and clearance.)
Thatcher Glass Mfg. Co., McKee Div., Box 265, Elmira, N. Y. "McKeelite," "Spreadlight," "Twolite."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn.

LENSES, Lamp (Plastic)

Bowman Automotive Plastics Co., Box 366, Olmstead Falls, Ohio.
Chicago Molded Products Corp., 1049 N. Kolmar Ave., Chicago 51, Ill.
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.

LEVERS, BRAKE

Orschelin Brake Lever Mfg. Co., 335 N. Williams St., Moberly, Mo. (Emergency brake lever.)

LIFT TRUCKS, See Trucks, Lift

LIFTS, Portable One End

Automatic Steel Products, Inc., 1201 Camden Ave., S.W., Canton 6, Ohio.
Bay Mfg. Co., 316 Arlington St., Torrance, Calif.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

LIFTS, TRANSMISSION, See Jacks, Transmissions.

LIFTS, Vehicle (Electric)

Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Rotary Lift Co., 1054 Kansas St., Memphis 2, Tenn.
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

LIFTS, Vehicle (Hydraulic)

Cochin Mfg. Co., J. D., 1440 E. Grand Ave., South San Francisco, Cal. "Easy." (Also portable.)
Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis 20, Mo.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Globe Hoist Co., E. Mermaid Lane & Queen St., Philadelphia 18, Pa. (Air and electrically operated.)
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Rotary Lift Co., 1054 Kansas St., Memphis 2, Tenn. (Air operated.)
United States Air Compressor Co., 3300 Harvard Ave., Cleveland 5, Ohio.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. "Twin-Post." (Pneumatic-hydraulic.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (Rotary.)

LIFTS, Vehicle (Pneumatic)

Automotive Equipment Mfg. Co., 11000 South Alameda St., Lynwood, Calif.
Bay Mfg. Co., 316 Arlington St., Torrance, Calif. (Portable.)
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio. "Automatic."
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. (One end.)
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Robison Air Jack Co., 2345 Jerrold Ave., San Francisco 24, Cal. (Front end.)

LIGHTS, See Lamps

LIGHTS, Timing

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I." (Neon light light type.)
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. (Neon light type.)
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y. (Neon light type.)
Dorothea Mechanisms, Gale, 81-01 Broadway, Elmhurst, L. I., N. Y.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. (Neon light type.)
Heyer Industries, Inc., 471 Cortlandt St., Belleville 9, N. J.
King Electric Equipment Co., 9115 Inman Ave., Cleveland 5, Ohio.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich. (Neon light type.)
Niehoff Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Neon light type.)
Save Lamp Co., 3687 Ash St., Baltimore 11, Md.
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio. (Neon light type.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Neon light type.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill. (Neon light type.)
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo. (Neon light type.)
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
Tungsten Spark Plug Mfg. Co., Tungsten Bldg., 1716 S. Michigan Ave., Chicago 16, Ill. (Neon light type.)
Weidenhoff, Inc., Joseph, Algona, Iowa. (Neon light type; Sole distributors, Bowser, Inc., Fort Wayne 2, Ind.

LINING, Brake

American Brakeblok Div., American Brake Shoe Co., 4600 Merritt Ave., Detroit 9, Mich.
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Asbestos Textile Co., 165 W. Wacker Drive, Chicago 1, Ill.
Atlas Asbestos Co., North Wales, Pa. "Atlas," "Giant Atlas," "Old Ironsides," "Quaker," "Bodygard," "Lifegard," "Master," "Autogard," "Coastgard," "Motogard."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Colt's Mfg. Co., 17 Van Dyke Ave., Hartford 15, Conn.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill. "Asbesgraphite," "Besto," "Gatke," "Servall," "Duo-Coe," "Dura Blok," "Sixty," "Modrate," "Blue Ribbon," "Standard," "Makablok."
General Metals Powder Co., 130 Elinor Ave., Akron 5, Ohio.
Grey Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Grizzly Mfg. Co., 700 W. Caroline St., Paulding, Ohio. "Grizzly Syncro-Set," "X-T," "Grizzly Saftibond."
Hope Webbing Co., Providence 1, R. I.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio. "Inlite."
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. "J-M."
Lasco Brake Products Corp., 2615 Magnolia St., Oakland, Calif.
Marshall-Eclipse Div. of Bendix Aviation Corp., Box 538, Troy, N. Y. "Bendix Eclipse."
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill. "Champion," "Miley," "Miley Black Gold," "Miley Ebonite," "Premier," "Zeebee."
Molded Materials Div., Carlisle Corp., Gillis Ave., Ridgway, Pa. "Mold-Block."
National Brake Block Corp., 79 Madison Ave., New York, N. Y. "National," "Seg-Mold," "Alltex."
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J. "Rex-Hide," "Rex-85," "Rex-Hy," "Rex-SS," "Rexstar."
Rosendale Ruboil Co., 30 Euclid Ave., New ark, N. J. "Reddaway."
Russell Mfg. Co., Middletown, Conn. "Russco."
Scandinavia Belting Co., 250 Central Ave., Newark 1, N. J. "Scandinavia," "Halo."
Southern Friction Materials Co., Box 1475, Charlotte, N. C.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
Triplewear, Inc., 533 40th St., Union City, N. J.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Spring & Bumper Co., 4951 Aloca Ave., Los Angeles 58, Calif. "Silver Line."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Wagner CoMaX."
Wellman Co., S. K., 200 Egbert St., Bedford, Ohio. "Velvetouch."
World Bestos Div. of Firestone Tire & Rubber Co., S. 25th St., New Castle, Ind.

LINING, Brake (Bimetallic)

Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."

LINKS, Shock Absorber

Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio. "Steelastic."

Now—Du Pont brings you a new stronger rayon yarn for tire cord—Super Cordura*—especially developed to meet the need of the motor transport industry for premium tire performance at moderate initial cost.

Look at the performance characteristics of this yarn—and you'll see why it offers you advantages never before possible in rayon tires:

20% greater strength, helping tires resist rough-road damage and curb shock. The greater strength of Du Pont "Super Cordura" gives a tougher, longer-lasting tire carcass that effectively resists bruise damage.

Greater flex resistance. This new tire yarn is engineered to give you greater protection against flex-fatigue failure. It reduces blowouts . . . offers greater recap possibilities.

*Trade-Mark

Greater moisture resistance. The higher wet strength of Du Pont "Super Cordura" yarn means greater resistance to the damaging effects of moisture—fewer tire failures.

New tire economies. There's more mileage in tires made with Du Pont's new "Super Cordura"! The higher performance characteristics of this yarn pay off mile after mile. And best of all . . . you get premium tire performance at a very moderate initial investment. Tires made with "Super Cordura" provide the practical answer to the demands of fleet operators for better rayon tires at moderate cost.

Tires made with "Super Cordura" will soon be generally available. Write for list of companies making tires with "Super Cordura". E. I. du Pont de Nemours & Co. (Inc.), Textile Fibers Dept., Wilmington 98, Delaware.

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LINKS, Shock Absorb.—*continued*

Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill. "Amko."
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill.
Bashian & Sons Co., Henry, 40391 Grand River Ave., Farmington, Mich. "Head Line."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (For Ford cars.)
Doan Mfg. Corp., 1761 London Rd., Cleveland 12, Ohio.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Kreger Mfg. Co., L. F., 540 W. 35th St., Chicago 16, Ill. (For Ford cars.)
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
O & S Bearing & Mfg. Co., 777 W. Eight Mile Rd., Whitmore Lake, Mich. (For Ford cars.)
Regal Motor Products, Inc., 6325 Grand River Ave., Detroit 8, Mich.
St. Louis Spring Co., Div. of Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo. "Moog."
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Trayer Products, Inc., E. Clinton St., Elmira, N. Y.
Van Bergen & Greener, Inc., 1619 N. Hayne Ave., Chicago 47, Ill. "Vanline."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

LINKS, Tire Chain Repair

Campbell Chain Co., York, Pa.
Cleveland Chain & Mfg. Co., Broadway & Chaincraft Rd., Cleveland 5, Ohio. "Wearwell."
Flower City Specialty Co., 158 Hollenbeck St., Rochester, N. Y. "Monkey Links," "Pretzel Links."
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
Nixdorff-Krein Mfg. Co., 916 Howard St., St. Louis 6, Mo. "Elephant Brand."
Peerless Chain Co., Front & Walnut Sts., Winona, Minn. "Wing-Loc."
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
Roll-O-Matic Chain Co., 200 Wyandotte St., Kansas City 6, W. Mo.
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
Round Chain & Mfg. Co., 6000 W. 51st St., Chicago, Ill. "Wearwell."
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y. "Sam-Sons."
Taylor Chain Co., S. G., P. O. Box 509-C, Hammond, Ind. "Taylor-Made."
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill. "Wesco."
Wickwire Spencer Steel, Div. of Colorado Fuel & Iron Corp., 575 Madison Ave., New York 22, N. Y.

LIST, Parts

M & H Parts, Inc., 14066 Euclid Ave., East Cleveland 12, Ohio. (For Eaton 2-speed axles.)

LOAD BINDERS (For Holding Cargo in Vehicle Body)

Canton Cast Products Co., 2400 13 St., N.E., Canton 5, Ohio. (Also exclusive distributor for American Forge & Mfg. Co.) (Ratchet type.)
Canton Malleable Iron, Canton, Ohio.
Eagle Mfg. Co., Appleton, Wis.
Jordan Equipment Co., 2526 Wood St., Oakland 7, Calif. "Lode-Lok."
Stacy Mfg. Co., Tiffin, Ohio.

LOADERS, Truck (Elevating Tailgate)

Anthony Co., Streator, Ill.
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio.
Daybrook Hydraulic Corp., Bowling Green, Ohio. "Daybrook Power Gate."
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich. "Modern."
Galion Allsteel Body Co., 605 S. Market St., Galion, Ohio.
Gar Wood Industries, Inc., Wayne, Mich. "Garwood."
Hercules Steel Products Corp., Box 477, Galion, Ohio.
Marion Metal Products Co., Cheney Ave., Marion, Ohio. "Marion Hydrogate."
National Lift Co., 800 Lowell St., Ypsilanti, Mich. "Lift-O-Matic."
Perfection Steel Body Co., S. East St., Galion Ohio.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J.
St. Paul Hydraulic Hoist Div., Gar Wood Industries, Inc., 2207 University Ave., S.E., Minneapolis 14, Minn. "Frate-Gate."
Ven Corp., 2828 Newell St., Los Angeles 39, Cal. "Venco."

LOCKS, Brake (Hill Holding)

Automatic Brake Control Co., 1 Flax St., Delaware, Ohio. "ABC." (Automatic hydraulic.)
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn. "Mico." (Also front brake control.)
Sharp Mfg. Co., 109 W. Columbus St., Nelsonville, Ohio. "Double Check," "Sharp."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "NoRol."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wico Electric Co., 42 Phelon Ave., West Springfield, Mass.

LOCKS, Ignition

Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.
Chicago Lock Co., 2024 N. Racine Ave., Chicago 14, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Eagle Lock Co., S. Main St., Terryville, Conn.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 450 W. 31st St., New York 1, N. Y. "Gasco."
Hurd Lock & Mfg. Co., 219 N. Main St., Almont, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts. (Holmesburg), Philadelphia, Pa. "Mitchellock."

LP GAS, See Fuels, Engine

LUBRICANTS, Engine & Chassis, See Oils and Lubricants

LUBRICANTS, Gear, See Oils and Lubricants

LUBRICANTS, Tire

American Grease Stick Co., 1146 Hoyt St., Muskegon, Mich. "Ru Glyde."
American Sand-Banum Co., Inc., 9 Rockefeller Plaza, N. Y. 20, N. Y. "Tinallium."
Bishman Mfg. Co., Osseo 4, Minn.
Cohutta Talc Co., P. O. Drawer 363, Dalton, Ga.
Doggett, Inc., Stanley, 75 Varick St., New York 13, N. Y.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
National Adhesives Div. of National Starch Products, Inc., 270 Madison Ave., New York 16, N. Y.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Miracle."

LUBRICATORS, Hand

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Bishman Mfg. Co., Osseo, Minn.
Bowen Products Corp., Auburn, N. Y.
Coil Mfg. Co., 1013 N. Fares Ave., Evansville 11, Ind. (Universal joint, clutch and shock absorber.)
De Vilbiss Co., 300 Phillips Ave., Toledo 1, Ohio.
Dixon Crucible Co., Joseph, Monmouth & Wayne Sts., Jersey City 3, N. J. "Graph-Air." (Graphite.)
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Inter-Continent Mfg. Co., 117 E. 13th St., Chicago 5, Ill. "Imco-Lube."
K. P. Mfg. Co., 1226 Linden Ave., Minneapolis 1, Minn.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Handi-Lubers."
Noera Mfg. Co., Div. of Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn.
Smith Equipment Corp., Herb., 414 Taylor Bldg., Rochester, N. Y.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Wood Co., John, Bennett Pump Div., Broadway & Wood St., Muskegon, Mich. "Bennett."

LUBRICATORS, Portable High Pressure (Compressed Air)

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Brown Grease Gun Co., Charlotte, N. C.
Bud Mfg. Co., R. D., 31, Pulaski, N. Y.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Lincoln Engineering Co., 5701 Natural Bridge Ave, St. Louis 20, Mo. "Autoluber," "Lubriguns," "Powerlubers."
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.

LUBRICATORS, Portable High Pressure (Electric)

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Hobbs Corp., John W., Yale Blvd. & Ash St., Springfield, Ill. "Electro-Draulic."
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Lubriguns."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

LUBRICATORS, Portable High Pressure (Hand Operated)

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Jiffy Lubricator Co., 304 Second Ave., Fargo, N. D.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Lincoln Porto-Pak."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.

LUBRICATORS, Stationary, High Pressure (Compressed Air)

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Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.

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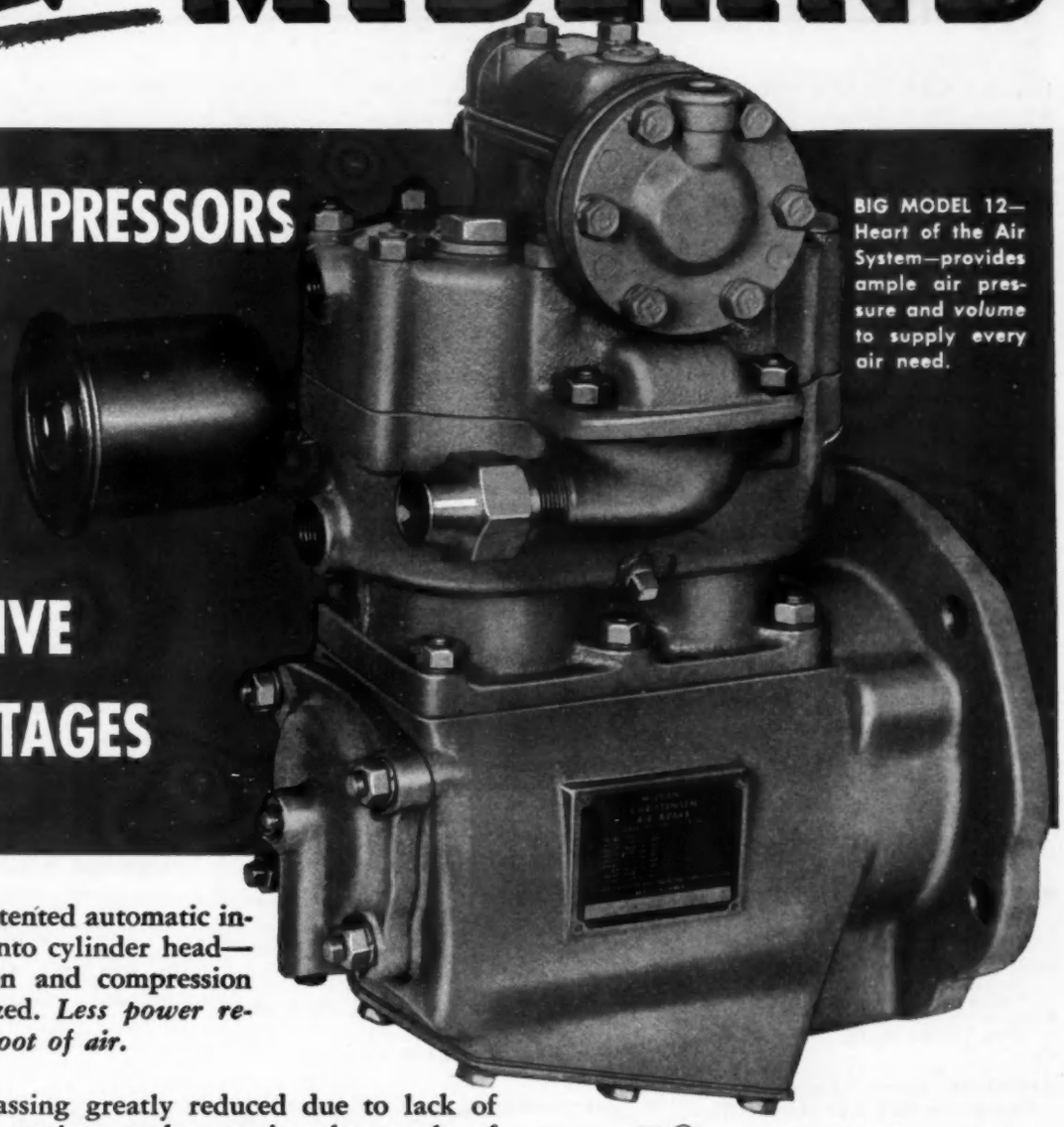

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Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Lubriguns," "Masterluber."
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
Universal Lubricating Systems, Inc., 747 Allegheney Ave., Oakmont, Pa.

LUBRICATORS, Upper Cylinder

Automotive & Marine Products Corp., 87 Harvard Ave., Boston 34, Mass. "Ampco."
Emerol Mfg. Co., 242 W. 69th St., New York 23, N. Y. "Marvel Inverse Oiler."
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
United States Aviex Corp., 135 Maple St., Niles, Mich. "Aviex."
White Automotive Products, Inc., 1604 Douglas Ave., North Providence 4, R. I. (Sole distributors, R. M. Hollingshead Co., 840 Cooper St., Camden 2, N. J.)

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Moguloid Co. of America, 3520 W. Carroll Ave., Chicago 24, Ill. (Acr.)

MACHINES, Boring (Main Bearing, Connecting Rod and Camshaft)

(See also Reamers, Main Bearing and Connecting Rod)

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way." (Main bearing.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Ex-Cell Corp., 1200 Oakman Blvd., Detroit 32, Mich. "XLO."
Fulmer Co., C. Allen, 1211 First National Bank Bldg., Cincinnati, Ohio.
Hydro-Borer Co., Div. of Southwest Development Co., 1601 E. Olympic Blvd., Los Angeles 21, Calif.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Main and camshaft bearing.)
Snyder Tool & Engrg. Co., 3400 E. Lafayette Ave., Detroit 7, Mich.
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex. (Connecting rod bearing.)
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Tobin-Arp Mfg. Co., 6400 Penn Ave., S., Minneapolis 23, Minn.
Van Norman Co., 3640 Main St., Springfield 7, Mass. (Connecting rod.)
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."

MACHINES, Boring (Piston Pin Bushing)

Hydro-Borer Co., Div. of Southwest Development Co., 1601 E. Olympic Blvd., Los Angeles 21, Calif.
Tobin-Arp Mfg. Co., 6400 Penn Ave., S., Minneapolis, 23, Minn.
Van Norman Co., 3640 Main St., Springfield 7, Mass.

MACHINES, Brake Relining

Barrett Equipment Co., 2101 Cass Ave., St. Louis, Mo. "Barrett Brake Dokter."
Chicago Rivet & Machine Co., 9603 W. Jackson Blvd., Bellwood, Ill. (Chicago Suburb.) "Chicago," "Buffalo," "Niagara." (Reliners and rivet setters, "Reliance," combination deliner, reliner and grinder, etc.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
National Rivet & Mfg. Co., Waupun, Wis.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J.
Shepard-Thomason Co., 2320 W. Gage Ave., Los Angeles 47, Calif. "Thomason." (Combination brake lining and brake shoe grinding.)
Star Machine & Tool Co., 201 Sixth St., S. E., Minneapolis 14, Minn.
Wadell Equipment Co., 101 South Ave., Garwood, N. J. (Also combination riveter and brake shoe grinder.)
Wilder Co., M. B., 2024 St. Mary's Ave., Omaha 2, Neb. "Morris." (Also combination countersinking, riveting and grinding machines.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W." (For Ford cars.)

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(See also Tools, Clutch Alignment)

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Miller Tool & Mfg. Co., 1725 16th St., Detroit, Mich.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
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MACHINES, Front End & Axle Alignment

See Gages, Wheel & Axle Alignment

MACHINES, Piston Turning and Grinding

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Landis Tool Co., Sixth & Church St., Waynesboro, Pa. (Hydraulic grinding.)
Lempco Products, Inc., Dunham Rd., Bedford, Ohio.
Store-Vulcan, Inc., 2504 Commerce St., Dallas 1, Tex.
Van Norman Co., 3640 Main St., Springfield 7, Mass.

MAGNETOS

American Bosch Corp., 3664 Main St., Springfield 7, Mass.
Fairbanks Morse & Co., Magneto Div., Beloit, Wis.
Griswold Co., F. T., Lancaster Pike, Devon, Pa. "Vertex."
Jack & Heintz, Inc., 17600 Broadway, Cleveland 1, Ohio. "Eiseman."
Scintilla Magneto Div., Bendix Aviation Corp., Sherman Ave., Sidney, N. Y. "Bendix."
Watts Electric & Mfg. Co., 2222 E. Maple Rd., Birmingham, Mich.
Wico Electric Co., 42 Phelon Ave., West Springfield, Mass.

MANIFOLDS, Intake and Exhaust

Continental Motors Corp., Muskegon 82, Mich.
Detroit Gasket & Mfg Co., 12640 Burt Rd., Detroit, Mich. "Steelbestos."
Electric & Carburetor Engrg. Co., 2321 E. Eighth St., Los Angeles 21, Calif. "Tattersfield." (Intake.)
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Marathon Foundry & Machine Co., 1212 West St., Wausau, Wis.
Tube Manifold Corp., 1100 Military Rd., Buffalo 17, N. Y.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich. (For Ford and Chevrolet.)

MAPS

Hearne Bros., National Bldg., Detroit 26, Mich.

MASKING, Liquid

Adhere Inc., 1220 Maple Ave., Los Angeles 15, Calif. "Spraymask."
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich.
Dennis Chemical Co., 2701 Papin St., St. Louis 3, Mo. "Red-Skin."
Detrex Corp., Box 501, Detroit 32, Mich. "LPM."
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio.
du Pont de Nemours & Co., E. I. Finishes Div., Refinish Sales Dept., Wilmington 98, Del.
Hanson-Van Winkle-Munning Co., Matawan, N. J. "Kote-Masq," "Kote-Rax."
Ken-nite Co., 2936 Hancock Ave., W., Detroit 8, Mich.
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Protexit."
Permo Products Co., 1629 Platte St., Denver 2, Colo. "Permo Mask Eze."
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Plask."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Duramask."

MASKING, Tape

Behr-Manning Corp., 2752 Seifert St., Troy, N. Y. "Behr-cat."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. "Flexbac."
Chicago Show Printing Co., Mystik Adhesive Div., 2635 N. Kildare Ave., Chicago 39, Ill. "Mystik."
Continental Tapes, P. O. Box 256, Cayce, S. C.
Industrial Tape Corp., New Brunswick, N. J. "Permacel."
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn. "Scotch."
Polyken Dept. of Bauer & Black, Div. of Kendall Co., 222 W. Adams St., Chicago 6, Ill.
Seamless Rubber Co., 253 Hallock Ave., New Haven 3, Conn.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Plask."
Van Cleef Bros., Inc., 7800 So. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand Mask-O," "Dutch Brand Techni."

MASKS (For Lettering)

Dicks Co., C. O., 8544 Grand River, Detroit 4, Mich.

MATERIALS, Body Repair (Non-Metallic)

Hollingshead Corp., R. M., Camden 2, N. J., "Met-L-it." (Cold process repair compound and material.)
Minnesota Mining & Mfg. Co., 791 Forest St., St. Paul, Minn.

MATS or MATTING (Rubber)

Ace Rubber Products, Inc., 100 Beech St., Akron, Ohio.
Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio. "Tuftex." (Mats.)
Baldwin Rubber Co., 366 S. Boulevard, E. Pontiac, Mich. (Mats.)
Better Monkey Grip Co., 5320 Harry Hines Blvd., Dallas, Tex. "Monkey Grip." (Mats.); (Sole distributors, Monkey Grip Sales Co., 5320 Harry Hines Blvd., Dallas 2, Tex.)
Boston Woven Hose & Rubber Co., P. O. Box 1071, Boston 3, Mass.
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.

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Continental Rubber Works, 1946 Liberty St., Erie, Pa. (Matting.)
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Dayton Rubber Co., 2342 W. Riverside Ave., Dayton 1, Ohio.
Doan Mfg. Corp., 1761 London Road, Cleveland 12, Ohio. "Armor-Flex."
Fargo Rubber Corp., 137 E. 58th St., Los Angeles 11, Calif.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco." (Mats.)
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Gordon Co., J. P., 232 Neilson St., Columbus 16, Ohio.
Gross Rubber Co., Carver Bldg., Sharon, Pa.
Holfast Rubber Co., 1486 Lakewood Ave. S.E., Atlanta 1, Ga.
Hollywood Accessories, Inc., 401 E. Washington Blvd., Los Angeles 15, Calif. (Mats.)
Mercer Rubber Co., Hamilton Square, N. J.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio. (Mats.)
Mitchell Rubber Co., R. I., 2130 San Fernando Rd., Los Angeles 65, Calif. "Stand Easy."
Moore and Co., Samuel, Mantua, Ohio. "Rub-Rub."
Niagara Fabric Mfg. Co., 26 Waverly Pl., New York 3, N. Y.
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Paine & Williams Co., 4614 Prospect Ave., Cleveland 3, Ohio. "PW." (Mats.)
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn. (Mats.)
Richardson Co., Lockland, Ohio.
Robbins Tire & Rubber Co., Tuscumbia, Ala. (Mats.)
St. Clair Rubber Co., 440 Jefferson Ave., East, Detroit 26, Mich. "Clair-Carpet." (Sole distributors, Midwest General Corp., 1440 E. Jefferson Ave., Detroit 26, Mich.)
Schwartz Rubber Corp., R. H., 3708 Payne Ave., Cleveland 14, Ohio. "Fits-All." (Mats.)
Seiberling Rubber Co., Akron 9, Ohio. (Mats.)
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio. (Mats.)
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Wooster Rubber Co., E. Bowman St., Wooster, Ohio. "Rubbermaid Kar-Rugs." (Mats.)

METERS, Air Tower (Automatic)

Erie Meter Systems, Inc., Pearl St. & Wagner Ave., Erie, Pa.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco." (Automatic.)
Romort Mfg. Co., Oakfield, Wis. "Romort," "Arno."
Wood Co., John, Bennett Pump Div., Broadway & Wood Sts., Muskegon, Mich. "Eco Tire-flater." (Combination air & water supply unit also.)

METERS, Brake Testing

American Instrument Co., Silver Springs, Md.
Tapley Products, 53 Park Place, New York 7, N. Y.

MICROMETERS

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill. (Brake drum.)
Bartlett Engrg. Co., 1214 Partridge Ave., Beloit, Wis. (Pedestal.)
Bath & Co., John, 18 Grafton St., Worcester 8, Mass. (Internal.)
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Central Tool Co., 456 Wellington Ave., Cranston 10, R. I. "Central," "Read-Rite."
Do All, 254 N. Laurel Ave., Des Plaines, Ill.
Federal-Mogul Service, Detroit 13, Mich. (Crankshaft gage.)
Federal Products Corp., 1144 Eddy St., Providence 1, R. I. (Indicating.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lufkin Rule Co., Hess Ave., Saginaw, Mich.
Millers Falls Co., Greenfield, Mass.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn. "P & W Spuermicrometer."
Rimat Tool Co., 21 W. Dayton St., Pasadena 2, Calif. (Inside.)
Scherr Co., George, 200 Lafayette St., New York 12, N. Y.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co. of America, 8900 Alpine Ave., Detroit, Mich.
Ten Eyck Industries, Fred F., 758 S. Irolo St., Los Angeles 5, Calif.
Van Keuren Co., 176 Waltham St., Watertown, Mass. (Light wave.)

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K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Standard Mirror Co., 141 Milton St., Buffalo 10, N. Y.

MIRRORS, Rear View

American Automatic Devices Co., Throop, Harrison & Congress Sts., Chicago 7, Ill. "King Bee."
Anthes Force Oiler Co., Fort Madison, Iowa. "Anthes Mirror Head."
Arrow Safety Devices Co., Mt. Holly, N. J.
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind.
Aves Electric Co., 2010 S. Westgate Ave., Los Angeles 25, Calif. "Aeco" (clamp on); "Cobra."
Bolser Corp., S. Main St., Cedar Falls, Iowa. "Ful-Vue."
"Defrosto" Mirrors, Inc., 11298 S. Alameda St., Lynwood, Calif.
Delbar Products, Inc., 7th & Spruce Sts., Perkasie, Pa.
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y.
Doray Lamp Co., 1458 S. Michigan Ave., Chicago, Ill.
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa.
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Grote Mfg. Co., Lafayette & Grandview Ave., Bellevue, Ky.
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kastor, Inc., 200 Lincoln Ave., New York 54, N. Y.
Miro-Flex Co., 1824 E. Second St., Wichita 7, Kansas.
Mirror Products Co., 13700 Lyndon St., Detroit 27, Mich.
Mosby Mfg. Co., 13 N.E., Main St., Minneapolis 13, Minn. (Folding.)
Norlinp Co., 5925 S. Lowe Ave., Chicago 21, Ill.
Prutsman, Ted., 1606 E. 88th St., Los Angeles 2, Calif. "Defrosto."
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Outside truck.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis. "Ducksback," (Truck.)
Whitehead Stamping Co., 1661 W. Lafayette Blvd., Detroit 16, Mich. "Hindview."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn.

MOLDING, Drip (Metal)

Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. "Alcoa." (Aluminum.)
American Brass Co., 414 Meadow St., Waterbury 20, Conn. "Anaconda." (Brass and nickel-silver.)
Bailey Co., Water St., Amesbury, Mass. (Aluminum, brass and stainless steel.) (Sole distributors to original equipment, D. A. Green Sales, Detroit, Mich.)
Binkley Mfg. Co., Warrington, Mo. (Steel.)
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Herron-Zimmers Moulding Co., 3900 E. Outer Drive, Detroit, Mich. "Herzim."
Kawneer Co., 1105 N. Front St., Niles, Mich. (Aluminum, brass, rustless steel and steel.)
Lees Div. of Serrick Corp., John, Batavia St., Muncie, Ind. (Stainless steel.)
Motor Products Corp., 11801 Mack Ave., Detroit, Mich. "Detroit Diamond." (Brass and steel.)
Peninsular Metal Products Corp., 1365 Jarvis St., Detroit 20, Mich.
Randall Co., 5000 Spring Grove Ave., Cincinnati 32, Ohio.
Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y. (Brass and aluminum.)
Reynolds Metals Co., 3rd & Grace Sts., Richmond 19, Va. (Aluminum.)
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts. (Holmesburg), Philadelphia 36, Pa.
Zenite Metal Corp., 201 N. West St., Indianapolis 7, Ind. (Aluminum and steel.)

MOLDING, Finish (Metal)

Ainsworth Mfg. Corp., 2200 Franklin St., Detroit 7, Mich.
Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. "Alcoa." (Aluminum.)
Aluminum Goods Mfg. Co., Manitowoc, Wis. (Aluminum and stainless steel.)
American Brass Co., 414 Meadow St., Waterbury 20, Conn. "Anaconda." (Brass.)
Bailey Co., Water St., Amesbury, Mass. (Aluminum, brass and stainless steel; sole distributors to original equipment, D. A. Green Sales Co., Detroit, Mich.)
Bath Co., Cyril, 32280 Aurora Rd., Solon, Ohio.
Brasco Mfg. Co., Harvey, Ill. (Steel.)
Dahlstrom Metallic Door Co., Special Products Div., 429 Buffalo St., Jamestown, N. Y.
Delta Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Detroit Moulding Div. of L. A. Young Spring & Wire Corp., 4647 4th St., Ecorse, Mich. (Steel.)
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Globe Stamping, Div. Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Greene Mfg. Co., 1028 Douglas Ave., Racine, Wis.
Hayes Industries, Inc., Wildwood & Fern Aves., Jackson, Mich.
Herron-Zimmers Moulding Co., 3900 E. Outer Drive, Detroit 34, Mich. "HerZim."
Hurd Lock & Mfg. Co., 219 N. Main St., Almont, Mich.
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Kawneer Co., 1105 N. Front St., Niles, Mich. (Aluminum, brass, rustless steel and steel.)
Lees Div. of Serrick Corp., John, Batavia St., Muncie, Ind. (Stainless steel.)
Merrimac Brass, 22 High St., Merrimac, Mass. (Lead filled, nickel and chromium plated.)
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Motor Products Corp., 11801 Mack Ave., Detroit, Mich. "Detroit Diamond." (Steel.)
Peninsular Metal Products Corp., 1365 Jarvis St., Detroit 20, Mich.
Pyramid Mouldings, Inc., 5353 W. Armstrong Ave., Chicago 30, Ill.
Randall Co., 5000 Spring Grove Ave., Cincinnati, Ohio. (Steel.)
Regal Motor Products, Inc., 6325 Grand River Ave., Detroit 8, Mich.
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Reynolds Metals Co., 3rd & Grace Sts., Richmond 19, Va. (Aluminum.)
Ternstedt Div., General Motors Corp., 6307 W. Fort St., Detroit 9, Mich. (Brass and steel.)
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts. (Holmesburg), Philadelphia 36, Pa.
Williams & Bennett Co., 2900 N. Alameda St., Compton, Calif.
Young Spring & Wire Corp., L. A., 9200 Russell St., Detroit 11, Mich. (Garnish.)
Zenite Metal Corp., 201 N. West St., Indianapolis 7, Ind. (Aluminum, brass and steel.)

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Akron Equipment Co., E. Exchange & Annadale St., Akron, Ohio. "Tyrwelder."
American Tire Machinery, Inc., 724 S. Elliott St., Muncie, Ind.
Bacon Vulcanizer Mfg. Co., 1295 67th St., Oakland 8, Calif.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 1, Cal. (Sectional.)
Center Line Mfg. Co., 506 N. Wichita St., Wichita, Kan.
Firestone Tire & Rubber Co., S. Main St., Akron, Ohio.
Heintz & Co., James C., 3738 W. 14th St., Cleveland, Ohio.

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MOLDS, Tire—*continued*

Lewis Equipment & Supply Co., 2740 Zuni St., Denver 11, Colo. "Tru-Cure."
Super Mold Corp. of Calif., 420 N. Sacramento St., Lodi 2, Calif. "Lodi."

MONORAILS—See Cranes, Monorail

MOTOR OIL, See Oils & Lubricants (Engine & Chassis)

MOTORS, Starting (Electric)

American Generator & Armature Co., 2614 W. 48th St., Chicago 32, Ill.
Arrow Armatures Co., 15 Fordham Rd., Boston 34, Mass. (Rebuilt.)
Delco-Remy Div., General Motors Corp., Anderson, Ind.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
Electric Auto-Lite Co., Owen Dyneto Div., 1930 Park Ave., Syracuse, N. Y.
General Armature & Mfg. Co., Mill Hall, Penna. "BV."
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio. "L-N."
United Motor Service, General Motors Bldg., Detroit 2, Mich.

MOUNTINGS, Rubber, Insulated

Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio. "Steelastic."
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bushings, Inc., 4358 Coolidge Highway, Royal Oak, Mich. "Rubberflex."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (Engine, for Ford and Chevrolet cars.)
Doan Mfg. Corp., 1761 London Road, Cleveland 12, Ohio. "Armor-Flex."
Dryden Rubber Div., Sheller Mfg. Corp., 1014 S. Kildare Ave., Chicago 24, Ill.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. (Engine and radiator.)
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Looch & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Lord Mfg. Co., 1635 W. 12th St., Erie, Pa. (Shear type.)
Lorraine Mfg. Corp., 54 W. Hunter Ave., Maywood, N. J.
M B Mfg. Co., 1060 State St., New Haven 11, Conn. "Isomode."
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Roberts Toledo Rubber Co., Prospect & MC R.R., Toledo 6, Ohio.
Rodic Chemical & Rubber Corp., Allen Ave., New Brunswick, N. J.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. (Engine.)
Wohlert Corp., 700 E. Grand Ave., Lansing 6, Mich.

MUFFLERS, Exhaust

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio. (For autos, buses, trucks and tractors.)
Alexander-Tagg Industries, Inc., Jacksonville Rd. & Summit Ave., Hatboro, Pa. "ATI." (Truck to order.)
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind.
Buffalo Pressed Steel Co., 460 N. Meridan Rd., Youngstown 9, Ohio.
Caulkins Mufflers, P. O. Box 724, New London, Conn.
Defiance Mfg. Co., Defiance, Ohio.
De Koven Mfg. Co., 1201 Michigan Blvd., Racine, Wis. "Soundmaster."
Donaldson Co., Inc., 666 Pelham Blvd., St. Paul 4, Minn. (Truck.)
Ero Mfg. Co., 714 W. Monroe St., Chicago, Ill.
Formed Tubes, Inc., S. Prairie & Albert Sts., Sturgis, Mich. (Auto, truck and bus.)
Goerlich's, 619 Smith St., Toledo 1, Ohio.
Haviland Co., Arnold, Defiance, Ohio. "O. K."
Hayes Industries, Inc., Wildwood and Fern Aves., Jackson, Mich.
Hill Mfg. Co., C. L., 210 South Ave., E., Cranford, N. J. (Vacuum, for autos, trucks and tractors.)
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lindy's, Inc., 3381 E. Olympia St., Los Angeles 46, Calif.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hy-Power."
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
MacKenzie Muffler Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 8, Ill. (Auto, truck and bus.)
Nelson Muffler Corp., Stoughton, Wis. (For buses, trucks and tractors.)
Ohio Parts, Inc., 307 Perry St., Defiance, Ohio.
Oldberg Mfg. Co., 620 N. Seventh St., Grand Haven, Mich.
Oxy-Catalist, Inc., Wayne, Pa. (Catalist muffler for fork life truck.)
Porter Muffler Mfg. Co., 11820 W. Olympia Blvd., Los Angeles 64, Calif.
Powel Muffler Co., 315 Oriskany St. E., Utica 2, N. Y.
Pratt Industries, Inc., Frankfort, N. Y.
Riker Mfg. Co., 4809 N. Detroit Ave., Toledo 12, Ohio. (For trucks and buses.)
Southern California Muffler Co., 11039 Washington Blvd., Culver City, Calif. "Belond Equa-Flo," "Mello-Tone."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis. "Exhaust Silencers." (Individually tuned.)

NOZZLES, Air

(See also Chucks, Air, Tire Inflating)

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo."
Amseco, Inc., 145 S. Monterey Ave., Villa Park, Ill.
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Clements Mfg. Co., 6650 S. Narragansett Ave., Chicago, Ill. "Clements-Cadillac."
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Druge Bros. Mfg. Co., 888 92nd Ave., Oakland 3, Cal. "Tru-Flate."
Dutton-Lamson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Eastman Mfg. Co., 1002 N. 11th St., Manitowoc, Wis.
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Wis. "Sprayit."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 11, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Tri-Con."
Lonn Mfg. Co., 131 E. New York St., Indianapolis 6, Ind.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Norgren Co., C. A., 222 Santa Fe Drive, Denver 9, Colo.
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Purfex Mfg. Co., Box 118, Collegeville, Pa.
Romort Mfg. Co., Oakfield, Wis.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Superior Pneumatic & Mfg., Inc., 4758 Warner Rd., Cleveland 25, Ohio. "Bully."
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.

NOZZLES, Fuel

(See also Pumps, Gasoline)

Buckeye Iron & Brass Works, Dept. C, Box 883, Dayton 1, Ohio. "Buckeye Safety-Fill Nozzle."

NOZZLES, PAINT SPRAY, See Sprayers, Paint, Varnish and Lacquer

NUTS, Lock and Self-Locking

Allen Mfg. Co., 100 Sheldon St., Hartford 2, Conn. "Allenut."
Automatic Nut Corp., 16th & Willow Sts., Lebanon, Pa. "Anco."
Blaisdell Mfg. Co., 1350 Coronado Ave., Long Beach 4, Calif.
Boots Aircraft Nut Corp., 50 John St., Stamford, Conn. "Trilok," "Plate-Lok," "Hex-Lok." (Self-locking.)
Boss Bolt & Nut Co., 3403 W. 47th, Chicago 32, Ill.
Canady-Wiley Mfg. Co., 1517 S. Evergreen St., Los Angeles 23, Calif. "C-W." (Safety ring.)
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo. "Champloc."
Delron Co., 5224 Southern Ave., South Gate, Calif. "Delron," "Dura-Loc." (Self-locking.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Eaton Mfg. Co. (Reliance Spring Washer Div.), Massillon, Ohio.
Elastic Stop Nut Corp. of America, 2330 Vauxhall Rd., Union, N. J. "Esna." (Self-locking.)
Greer Stop Nut Co., 2622 W. Flournoy St., Chicago 12, Ill.
Grip Nut Co., 315C S. Michigan Ave., Chicago 4, Ill. "Gripco."
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill. "Hillco."
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio.
Lock Thread Corp., 2833 E. Grand Blvd., Detroit 11, Mich. (Licensors.)
National Machine Products Co., 44225 Utica Rd., Utica, N. Y. "Huglock" & "Marsden."
National Screw & Mfg. Co., 2440 E. 75th St., Cleveland 4, Ohio. "Drake," "Dynamic," "Marsden," "Huglock."
Palnut Co., 54 Cordier St., Irvington 11, N. J. (Combination lock washer and nut.)
Prestole Corp., 1351 Miami St., Toledo 5, Ohio.
Republic Steel Corp., Republic Bldg., Cleveland, Ohio. "Nylok." (Licensees.)
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Marsden," "Tri-Slot." (Licensees.)
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa. (Lock.)
Security Locknut Corp., 1500 North Ave., Melrose Park, Ill.
Shakeproof Div. of Illinois Tool Works, St. Charles Rd., Elgin, Ill. "Lokuts."
Simmons Fastener Corp., N. Broadway, Albany, N. Y.
South Chester Corp., 1418 S. Penn Square, Philadelphia 2, Pa.
Standard Locknut & Lockwasher Co., 510 N. Capitol Ave., Indianapolis 4, Ind. (For ball and roller bearings.)
Standard Pressed Steel Co., Jenkintown, Pa. "Flexloc." (Self-locking.)
Stover Lock Nut & Machinery Corp., Bushkill Drive, Easton, Pa.
Thompson-Bremer & Co., 1640 W. Hubbard St., Chicago 22, Ill.
Tinnerman Products, Inc., 8700 Brookfield Rd., Cleveland 13, Ohio. "Speed Nuts." (Self-locking.)
Towsend Co., New Brighton, Pa.
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Waldes-Kohinoor, Inc., 47-16 Austel Pl., Long Island City 1, N. Y.
Whittet-Higgins Co., P. O. Box 1613, Providence, R. I. (Lock, for ball and roller bearings.)

ODOMETERS

(See also Speedometer)

Barbour-Stockwell Co., 205 Broadway, Cambridge 39, Mass. (Hub.)
Knopf Instrument Co., 250 Culver Ave., Jersey City 5, N. J. "PeKa."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago, Ill.
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "Ustcograph."
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.

OIL ANALYSIS KITS

Gerin Corp., P. O. Drawer 653, Red Bank, N. J.
Wicks Accessories Corp., Gastonia, N. C.

OILS AND LUBRICANTS (Engine and Chassis)

Atlantic Refining Co., 260 S. Broad St., Philadelphia 1, Pa.
Cities Service Oil Co., 60 Wall Tower, New York, N. Y.
Continental Oil Co., Continental Oil Bldg., Ponca City, Okla.
Emerol Mfg. Co., 242 W. 69th St., New York, N. Y.
Esso Standard Oil Co., Esso Bldg., 15 W. 51st St., New York, N. Y.
Fiske Brothers Refining Co., Lubriplate Div., Newark 5, N. J.
Freedom-Valvoline Oil Co., Freedom, Pa.
Gulf Oil Corp., Gulf Bldg., Pittsburgh 30, Pa. (Also motor flush.)
Kendall Refining Co., 77 N. Kendall St., Bradford, Pa.
Lion Oil Co., El Dorado, Ark.
Mac Millan Petroleum Corp., 530 W. 6th St., Los Angeles 13, Calif.
Mid-Continent Petroleum Corp., P. O. Box 381, Tulsa 2, Okla.
Ohio Oil Co., Findlay, Ohio.
Pennsylvania Refining Co., 2686 Lisbon Rd., Cleveland 4, Ohio.
Pennzoil Co., Oil City, Pa.
Phillips Petroleum Co., Bartlesville, Okla.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Quaker State Oil Refining Co., Oil City, Pa.
Shell Oil Co., 100 Bush St., San Francisco 6, Calif.
Shell Oil Co., 50 W. 50th St., New York, N. Y.
Sinclair Refining Co., 630 Fifth Ave., New York, N. Y.
Socony-Vacuum Oil Co., 26 Broadway, New York, N. Y.
Sonneborn Sons, L., 300 Fourth Ave., Amalie Div., New York.
Standard Oil Co. of California, 225 Bush St., San Francisco 20, Calif.
Standard Oil Co. (Indiana), 910 S. Michigan Ave., Chicago, Ill.
Sun Oil Co., 1608 Walnut St., Philadelphia, Pa.
Texas Co., 135 E. 42nd St., New York, N. Y.
Tide Water Associated Oil Co., 17 Battery Place, New York 4, N. Y.
Union Oil Co. of Calif., Union Oil Bldg., Los Angeles 17, Calif.
Warren Refining & Chemical Co., Cleveland 15, Ohio.
Waverly Petroleum Products Co., 1724 Chestnut St., Philadelphia 3, Pa.
Wolf's Head Oil Refining Co., Oil City, Pa.

OIL CANS, See Cans, Oiling

OIL CHANGERS, See Drainers, Crankcase Oil

OIL DRAINERS, See Drainers, Crankcase Oil

OIL FILTERS, See Filters, Oil

OIL GAGES, See Gages, Oil Pressure

OIL AND GREASE ABSORBENTS (Floor), See Absorbents, Oil & Grease (Floor)

OIL RECLAIMERS, See Reclaimers, Crankcase Oil

OIL RETAINING RINGS & SEALS, See Retainers, Oil & Grease

OIL TANKS, See Tanks and Systems, Gasoline and Oil Storage; also Tanks, Oil (Portable)

OIL TESTING INSTRUMENTS, See Viscosimeters

OILS, PENETRATING, See Rust Prevenatives

OILS, UPPER CYLINDERS, See Lubricators, Upper Cylinder

OILS, Upper Cylinder

A P Parts Corp., A P Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio. "Miracle Power."
Acheson Colloids Co., 1925 Washington Ave., Port Huron, Mich. "Dag," "Oildag."
Alox Corp., 70 Pine St., New York 5, N. Y.
Atlantic Refining Co., 260 S. Broad St., Philadelphia 1, Pa.
Automotive & Marine Products Corp., 87 Harvard Ave., Boston 34, Mass.
Bardahl Mfg. Corp., 1400 P. 52nd St., Seattle 7, Wash.
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind. "Bowes Valv-Aid."
Carbide & Carbon Chemicals Corp., 30 E. 42nd St., New York 17, N. Y.
Casite Div. Hastings Mfg. Co., Hastings, Mich.
Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."
Celco Corp., 110 E. 42nd St., New York 17, N. Y.
Champion Products, Inc., P. O. Box 291, Stephenville, Texas. "Champion 2-X."
Cristy Chemical Corp., 21 Putnam Lane, Worcester 4, Mass.
Curran Corp., S. Canal St., Lawrence, Mass. "Motor Fizik," "Gunk Dunk."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Dyna-Vita."
Emerol Mfg. Co., 242 W. 69th St., New York 23, N. Y. "Marvel Mystery Oil."
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Friction Proof Oil Corp., 200 Fifth Ave., New York 10, N. Y. "Power Ball."
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Grafo Colloids Corp., Grafo Bldg., 310 Wilkes Place, Sharon, Pa. "Grafolene."
Gulf Oil Corp., Gulf Bldg., Pittsburgh 30, Pa.
Gunk Chicago Co., 3447 W. Madison St., Chicago 24, Ill.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Motor Rythm."
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "S.M.L.," "MFC."
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Kano Laboratories, 1000 S. Thompson Lane, Nashville 11, Tenn. "Kano Kreen."
Lubaid Co., 155 E. Kilborn St., Milwaukee 1, Wis.
Lubri-Gas International, Inc., 221 N. La Salle St., Chicago 1, Ill.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Mergraf Oil Products Co., P. O. Box 95, Northville, Mich. "Topper."
National Refining Co., 1808 Standard Bldg., Cleveland 1, Ohio. "Enarco Tune."
Pennsylvania Refining Co., Gumout Div., 2686 Lisbon Rd., Cleveland 4, Ohio.
Permatex Co., 1702 Ave. Y. Brooklyn 35, N. Y. "Permatex Toon-Oyl."
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Siloo."
Protektoil Corp., 601 W. 26th St., New York 1, N. Y.
Purfex Mfg. Co., Box 118, Collegeville, Pa.
Pyroil Co., 122 Main St., La Crosse, Wis.
Radiator Specialty Co., 1700 Dowd St., Charlotte 1, N. C. "3-in-1 Nu-Power."
Randall Products Mfg. Co., 2095 Broadway, New York 23, N. Y. "Motor-"leen."
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa. "Motor Magic."
Rust Master Chemical Corp., 50 Creighton St., Boston, Mass. "Six Master."
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Noxo."
Shaler Co., Waupun, Wis. "Karbout," "Rislone."
Shell Oil Co., 50 W. 50th St., New York 20, N. Y. "Donax," "Shell."
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Upperlube."
Sonneborn Sons, Inc., L., Amalie Div., 300 Fourth Ave., New York 10, N. Y. "Anti-Gum."
Standard Oil Co. (Indiana), 910 S. Michigan Ave., Chicago 80, Ill. "Stano-Vim."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 16, Mo. "Z-4."
United States Aviex Co., 1350 Maple St., Niles, Mich. "Aviex."
V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif.
Warehouse Distributors Co., 3810 N. 19th St., Phila. 40, Pa.
Warren Refining & Chemical Co., 750 Prospect Ave., Cleveland 15, Ohio. "Warco P.V.R."
Warwick Laboratories Co., 334 Cleveland St., Brooklyn 8, N. Y. "Warco K.O.Carb," "Warco Mo-Tun-Up."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Carbon-Ex," "Friction 'Eex."
White & Bagley Co., 100 Foster St., Worcester, Mass. "Oilzum Vitalube."
Wilbur & Williams & Co., 130 Lincoln St., Brighton, Mass. "W & W."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
Zip Abrasive Co., 1360 W. Ninth St., Cleveland 13, Ohio. "Jack."

OPENERS, Bus Door

Cleveland Hardware & Forging Co., 3200 E. 79th St., Cleveland 4, Ohio.
Consolidated Car Heating Co., 413 N. Pearl St., Albany, N. Y. (Pneumatic, electric and hydraulic.)
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio. (Manual.)
Midland Steel Products Co., Power Brake Div., 3641 E. Milwaukee Ave., Detroit 11, Mich. (Air and electro-pneumatic.)
National Pneumatic Co., 125 Amory St., Boston 19, Mass. "NP."

PACKERS, BEARING

Arco Equipment Corp., Bryan, Ohio.
Gray Company, Inc., 1034 Graco Square, Minneapolis 13, Minn.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago, Ill.
Turk Co., Wm., 11070 S. Alameda St., Lynwood, Calif.

PADS, Pedal

Doan Mfg. Corp., 1761 London Rd., Cleveland 12, Ohio.

PAINT DRYING LAMPS, See Lamps, Drying, Baking & Heating

PAINT MASKING, See Masking, Liquid and Tape

PAINT SPRAY BOOTHS, See Booths, Spraying (Paint and Varnish)

PAINT SPRAYERS, See Sprayers, Paint

PAINT REMOVERS, See Removers, Paint Enamel and Varnish

PAINTS

(See Enamels; also Lacquer)

PAINTS, Acid-Resisting

Ace Laboratories, 1614 Cartaret St., Lakewood, Ohio. "Kem-Bam."
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frost's Kapak."
Hock Paint & Chemical Works, Inc., Box 190, Phoenixville, Pa. "Metalock."
Lithgow Co., Inc., James, Los Angeles 22, Cal. (Plastic coating.)
Perolin Co., 10 E. 40th St., New York 16, N. Y. "Durabel."
Prufcoat Laboratories, Inc., 63 Main St., Cambridge 42, Mass.
Quigley Co., 527 Fifth Ave., New York 17, N. Y. "Triple-A."
Sauereisen Cements Co., Sharpsburg Sta., Pittsburgh 15, Pa.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Stonhard Co., 1306 Spring Garden St., Philadelphia 23, Pa.
Vita-Var Corp., 46 Albert Ave., Newark, N. J. "Vita-Lux."

PAINTS, Alkali-Resisting

Ace Laboratories, 1614 Cartaret St., Lakewood Ohio. "Kem-Bam."
Lithgow Co., Inc., James, Los Angeles 22, Cal. (Plastic coating.)
Prufcoat Laboratories, Inc., 63 Main St., Cambridge 42, Mass.
Quigley Co., 527 Fifth Ave., New York 17, N. Y. "Triple-A."
Sherwin-Williams Co., 101 Prospect Ave. N. W., Cleveland 1, Ohio.
Vita-Var Corp., 46 Albert Ave., Newark, N. J.

PAINTS, Aluminum and Bronze

Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. "Alcoa Albrion." (Aluminum powder and paste; pigments for aluminum paint.)
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Baer Bros., 438 W. 37th St., New York, N. Y. (Aluminum bronze powder.)
Battenfield Grease & Oil Corp., 3148 Roanoke Rd., Kansas City 8, Okla. (Aluminum.)
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Forbes Finishes Div., Pittsburgh Plate Glass Co., 2800 W. 148th St., Cleveland 11, Ohio. (Aluminum.)
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frospar." (Aluminum.)
Hack Paint & Chemical Works, Inc., Box 190, Phoenixville, Pa. "Metalock."
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Interstate Enamel & Varnish Co., 323 W. 15th St., Indianapolis, Ind.
Modene Paint Co., 305 Eastern Ave., Chelsea 50, Mass.
Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Chrombrite." (Aluminum.)
Plastic-Kote, Inc., 425 Lakeside Ave., N. W., Cleveland 13, Ohio.
Reynolds Metals Co., 3rd and Grace Sts., Richmond 19, Va. (Aluminum pigment powders and paste.)
Seymour of Sycamore, Inc., 218 Lucas St., Sycamore, Ill.
Sheffield Bronze Paint Corp., 17814 Waterloo Rd., Cleveland 19, Ohio.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.

PANELS, Plywood

Georgia-Pacific Plywood Co., 600 N. Capitol Way, Olympia, Wash. "G-P."
Harbor Plywood Corp., Box 940, Aberdeen, Wash. "Super-Harbord," "Harborite," (Douglas fir.)
Met-L-Wood Corp., 6755 W. 65th St., Chicago 38, Ill. (Metal covered.)
Technical Ply-Woods, 228 N. La Salle St., Chicago 1, Ill.
United States Plywood Corp., Weldwood Bldg., 55 W. 44th St., New York 18, N. Y. "Weldwood," "Armorply," "Tekwood," "Honeycomb," "Flexwood."

PANELS, STEEL, See Steel, Sheet, and Body Parts, Pre-Shaped

PARTS, Brake

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Andrew Parts Mfg. Co., 49 Amsterdam Ave., N. Y. 23, N. Y.
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "B-K." (Also hand control valve.)
Bendix Westinghouse Automotive Air Brake Co., 901 Cleveland Road, Elmira, Ohio. (Air.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio. (Yokes, for assemblies, etc.)
Eis Automotive Corp., Middletown, Conn. (Hydraulic and mechanical; also master cylinders.)
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Sav-a-Life." (Wheel cylinder cups.)
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Goshen Rubber Co., 609 E. Iowa St., Goshen, Ind. (Hydraulic cups and boots.)
Hydraulic Specialties Co., 65 Burbank Dr., Snyder 21, N. Y. "Hyspeco." (Hydraulic pressure limiting valves.)
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog." (Hydraulic for Ford and Chevrolet cars.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Lathan." (Vacuum power brake valves and chambers.)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. (Hydraulic.)
Loosk & Co., R. J., 343 N. Gay St., Baltimore, Md. (Cylinder cups.)
Lorraine Mfg. Corp., 54 W. Hunter Ave., Maywood, N. J. (Hydraulic brake rubber cups, boots; also valves.)
Master Parts Div. of Airtex Products, Inc., Fairfield, Ill. (Hydraulic.)
Mercury Brake Products Co., 1532 W. Fulton St., Chicago 7, Ill.
Midland Steel Products Co., Power Brake Div., 3641 E. Milwaukee Ave., Detroit 11, Mich. (Air conversion valve kits.)
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn.
Moraine Products, Div. of General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Delco." (Wheel and master cylinders.)
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot." (Hydraulic.)
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco." (Hydraulic.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Hydraulic.)
Otto Items, Inc., 4390 Olive St., St. Louis 8, Mo. "Tru-Torque." (Hydraulic brake, master and wheel cylinders.)
Pacific Div. Bendix Aviation Corp., 11600 Sherman Oaks, North Hollywood, Calif. (Hydraulic master cylinders.)
Power Brake Parts Mfg. Co., 3435 S. Racine Ave., Chicago 8, Ill. (Vacuum power brake valves.)
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Seale, Inc., Homer T., 5330 Alhambra St., Los Angeles 32, Calif. "Sealco." (Relay emergency valve, for trailers.)
Supco Products Corp., S. Bayview Ave., Amityville, L. I., N. Y. (Master and wheel cylinders and pistons.)
Sweetland-Affleck Corp., 940 N. Fair Oaks Ave., Pasadena, Calif. (Air brake control valves for trucks, trailers and buses.)
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United Motor Service General Motors Bldg., Detroit 2, Mich.
United Parts Mfg. Co., 1250 W. Van Buren St., Chicago, Ill. (Cylinders.)
Vari-Products Co., 2450 S. Prairie Ave., Chicago 16, Ill. (Vacuum tanks.)
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis. (Vacuum power and air, for trucks and trailers.)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Lockheed." (Master cylinders; also air foot valves; also air conversion kits.)
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio. (Hydraulic.)

PARTS, Carburetor

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Automotive Research & Mfg. Co., 88-05 76th Ave., Glendale 27, N. Y. "Arm-Co."
Bendix Products, Inc., Div. Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Octa-Gane, 605½ W. Las Turas Drive, San Gabriel, Calif.
P & D Mfg. Co., 1902 Steinway St., Long Island City 5, N. Y.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Precision Automotive Components Co., 7263 Lansdowne St., St. Louis 19, Mo. "Pacco."
Simmons Mfg. Co., Ashland, Ohio.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Van Berger & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill. "Van line."

PARTS, Clutch

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio. (Pressure assembly component parts.)
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko." (Forks.)
Automotive Replacements, Inc., 2251 S. Michigan Ave., Chicago, Ill.
Automotive Research & Mfg. Co., 88-05 76th Ave., Glendale 27, N. Y. "Arm-Co."
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg & Beck," "Long," "Rockford."
Cleveland Graphite Bronze Co., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. (Spring and fork kits.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio. (For assemblies, etc.)
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Evco Products Co., 160 W. 62nd St., New York 23, N. Y.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Merit Products Co., 3541 E. Olympic Blvd., Los Angeles 23, Calif. (Sleeves.)
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill. (Clutch cover assembly parts.)
Perfect Parts, Inc., 55 Amsterdam Ave., New York, N. Y.
Rockford Clutch Div. Borg-Warner Corp., 1319-18th Ave., Rockford, Ill.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

PARTS, Diesel Engine

Roder-Blackburn International Corp., 149 Broadway, New York 6, N. Y.

PARTS, Distributor, See Parts, Magneto, Coil and Distributor

PARTS, Front End Suspension

Bashian & Sons Co., Henry 40391 Grand River Ave., Farmington, Mich. "Head Line."
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio.) "Monmouth."
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Hershey Metal Products Co., Automotive Parts Div., Derby 2, Conn. "G-H."
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Master Parts Div. of Airtex Products, Inc., Fairfield, Ill.
Merrill Engineering Laboratories, 1230 Lincoln St., Denver 3, Colo. (Knee action coil springs.)
Moog Coil Action Parts Co., Div. of Moog Industries, 6650 Easton Ave., St. Louis 14, Mo.
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Pressed Metals of America, Inc., Port Huron, Mich. (Distributors to replacement trade, McQuay-Norris Mfg. Co., St. Louis, Mo.; Thompson Products, Inc., Cleveland, Ohio; Clevite, Inc., Cleveland, Ohio.)
Rowland, Inc., William & Harvey, Lewis & Tacony Sts., Philadelphia 24, Pa.
Saginaw Steering Gear, Div. of General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.

PARTS, Fuel Pump

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind. (Push rods.)
Airtex Automotive Div. of Airtex Products, Inc., Fairfield, Ill.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City, N. Y. "Monoflex."
Kem Mfg. Co., 20-21 Dagaraw Rd., Fair lawn, N. J.
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
Murray Auto Specialty Co., 1228 S. Olive St., Los Angeles 15, Cal. "Masco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Ottawa Steel Products, Inc., 745 Woodlawn Ave., Grand Haven, Mich. (Shafts.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Simmons Mfg. Co., Ashland, Ohio. (For Ford, Chevrolet and Plymouth cars.)

Hi-Range
FOR ADDED LIFT

What do YOU look for in a hydraulic axle jack to help speed up and simplify servicing and maintenance . . . is it Lifting Height? Power? Dependability?

AUSCO Hydraulics give you all of these.

They've got the lifting height! Ausco's Hi-Range models lift those high-axle and large-wheeled jobs up to 22½". And they do it without dangerous blocking. Hi-Range jacks are a regular part of the Ausco line, always ready to deliver.

They've got plenty of muscle for their weight, too! One man can easily handle even the "biggest babies". For example, an Ausco weighing 26¼ pounds can lift 24,000 pounds.

They've got what it takes to do the dependable lifting you need in a business like yours. There is no leakage with Ausco-made castings. Ausco's exclusive "straight-line" oil flow eliminates dirt-clogged pumps — one of the main causes of hydraulic operating troubles.

Make a point-by-point comparison, and you'll make your next hydraulic jack an AUSCO.

AUSCO HYDRAULIC AXLE *Jacks*

Power-Packed
FOR ADDED STRENGTH

AUSCO Standard-Range HYDRAULIC AXLE JACKS (top row) are available in 20, 12, 8, 5, 3 and 1½-ton models.

AUSCO Hi-Range HYDRAULIC AXLE JACKS (bottom row) come in 12, 8, 5 and 3-ton capacities.

AUTO SPECIALTIES MFG. CO., St. Joseph, Michigan

PARTS, Fuel Pump—continued

United Parts Mfg. Co., 1250 W. Van Buren St., Chicago, Ill. (For A. C. pumps.)
Van Bergen & Greener, Inc., 1619 N. Hayne Ave., Chicago 47, Ill. "Van."

PARTS, Generator

International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Sole distributors Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
V-J Industries, Inc., 720 E. Washington St., Indianapolis, Ind.
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y.
Van Berger & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill. "Van line."

PARTS, LIST, See List, Parts

PARTS, Ignition

Standard Metal Products Co., Norwalk, Conn.

PARTS, Magneto, Coil and Distributor

American Hard Rubber Co., 93 Worth St., New York 13, N. Y.
American Motor Products Co., Fond du Lac, Wis. "Ampco." (Distributor rotors.)
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo. (Caps and rotors.)
Andrew Parts Mfg. Co., 49 Amsterdam Ave., N. Y. 23, N. Y.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn. (Coil and distributor.)
D.S.M. Electric Co., 6209 Hamilton Ave., Detroit 2, Mich.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Distributor caps and rotors.)
Guaranteed Parts Co., Seneca Falls, N. Y. "GP." (Rotors.)
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Lothrop Co., Frank B., 81 River St., South Acton, Mass. "Tiger." (Distributor plates, for Ford cars.)
M D Parts Mfg. Co., 4395 Olympic Blvd., Los Angeles. Calif. (Distributor caps and rotors.)
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco." (Coil and distributor.)
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Distributor plates, caps, rotors, etc., sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Parco—See Parts Mfg. Co.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich. (Distributor caps and nipples.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill. (Distributor caps and rotors.)
Sorenson Mfg. Co., P. 32-31 57th St., Woodside 77, N. Y. (Distributor heads and rotors.)
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y. (Distributor caps.)
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak," "Standard." (Distributor heads and rotors.)
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J. (Caps and rotors.)
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y. (Distributor.)
Van Bergen & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill. "Van line." (Distributor.)
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Wells," "Super Go." (Distributor caps and rotors.)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo. (Distributor.)

PARTS, Starting Motor Drive

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. (Springs.)
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco." (Springs.)
Carston Mfg. Co., 46 N. 2nd St., Mt. Vernon, N. Y. (Bolts and washers.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Bendix."
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio. (Bolts.)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. (Screws.)
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y. (Springs.)
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." (Springs, etc.)
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio. (Screws and washers.)
Van Bergen & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill. "Van line."
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Wickwire Spencer Steel Div. of Colorado Fuel & Iron Corp., 575 Madison Ave., New York 22, N. Y. (Springs, bolts and washers.)
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

PINS, King

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich. (Trailer.)
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bashian & Sons Co., Henry 40391 Grand River Ave., Farmington, Mich. "Head Line."
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite."
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Claire Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Elgin Machine Works, 412 N. State St., Elgin, Ill. (Assemblies.)
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Hershey Metal Products Co., Automotive Parts Div., Derby 2, Conn.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog." (For Ford cars.)
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Kings County Centerless Grinding Co., 555 36th St., Union City, N. J.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis, Mo.
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
Oliver Iron & Steel Corp., 1001 Muriel St., Pittsburgh, Pa.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
St. Louis Spring Co., Div. of Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo. "Moog."
Superior Machine Tool Co., 329 E. Firmin St., Kokomo, Ind.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
Trayer Products, Inc., E. Clinton St., Elmira, N. Y.
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

PINS, King (For Trailers)

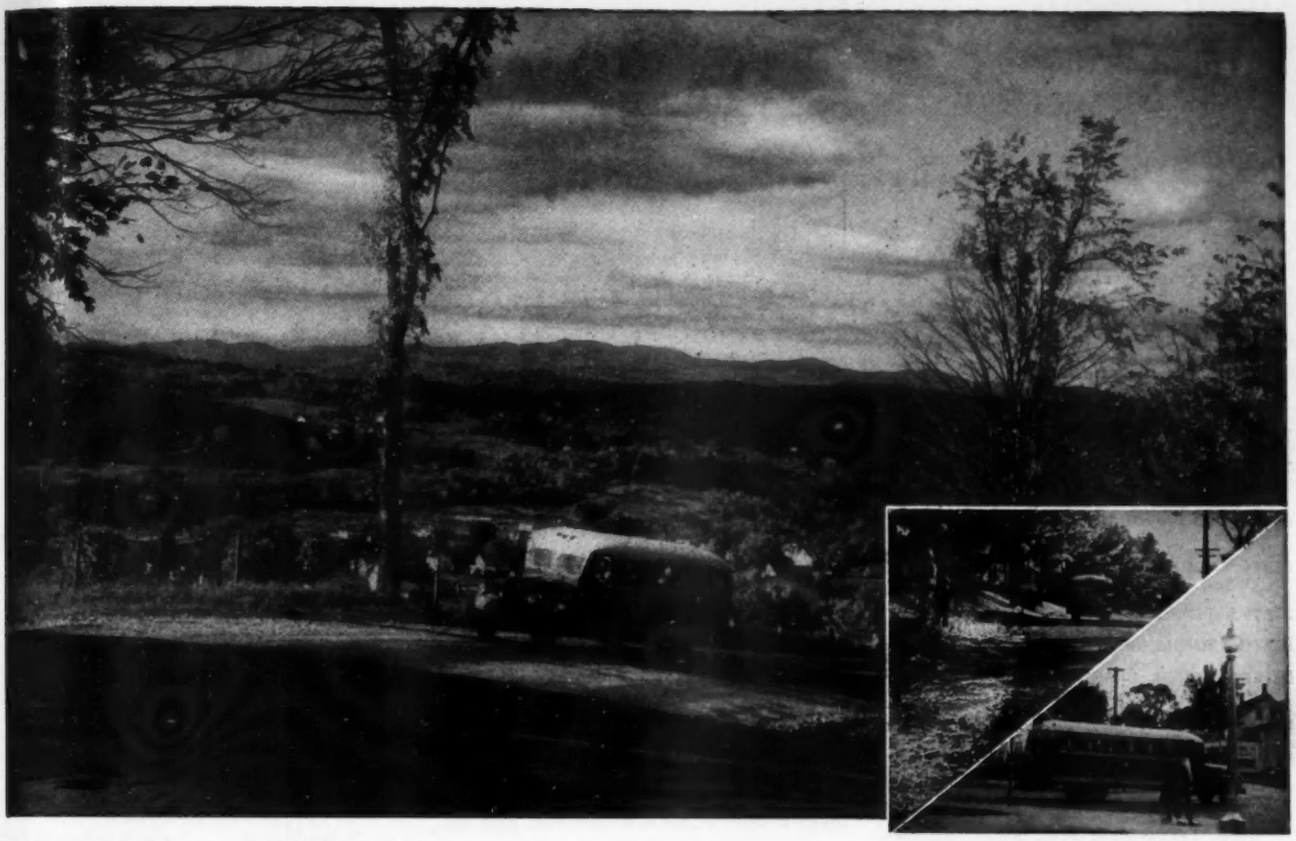
Miller Industries, 213 E. Cortland St., Jackson, Mich.

PINS, Piston

American Hammond Automotive Replacement Div., 2001 Sanford St., Muskegon, Mich.
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Andrew Parts Mfg. Co., 49 Amsterdam Ave., N. Y. 23, N. Y.
Bohn Aluminum & Brass Corp., 1400 Lafayette Blvd., Detroit 26, Mich. "Bohnalite."
Brown Corp., 313 Bellevue Ave., Syracuse, N. Y.
Burgess-Norton Mfg. Co., 758 Peyton St., Geneva, Ill. "B-N Perfectlap."
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Kings County Centerless Grinding Co., 555 36th St., Union City, N. J.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Marquette Metal Products Co., 1145 Gatewood Drive, Cleveland 10, Ohio.
Merit Products Co., 3541 E. Olympic Blvd., Los Angeles 23, Calif.
Monmouth Products Co., 6545 Carnegie Ave., Cleveland 3, Ohio.
Nylen Products Co., Lake Shore Drive, St. Joseph, Mich.
Ohio Piston Co., 5342 Hamilton Ave., Cleveland 14, Ohio.
Ottawa Steel Products, Inc., 745 Woodlawn Ave., Grand Haven, Mich. "OSP."
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Simplex Products Corp., 3830 Kelly Ave., Cleveland, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

PIPES, Tail and Exhaust

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio.
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. (Flexible.)
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind.
Calnevar Co., 1732 W. Washington Blvd., Los Angeles 7, Calif.
De Koven Mfg. Co., 1201 Michigan Blvd., Racine, Wis.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Uniflex." (Bendable.)
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Tube." (Bendable.)
Formed Tubes, Inc., S. Prairie & Albert Sts., Sturgis, Mich.
Goerlich's, 619 Smith St., Toledo 1, Ohio.
Haviland Co., Arnold, Defiance, Ohio. (Also exhaust.)
International Parts Corp., 11th & States Sts., Chicago 5, Ill.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hy-Power."
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.



From Barre, Vermont—To Graniteville, Vermont, COMMUTERS AND SCHOOL CHILDREN are never disappointed. Chartier's buses are always right on schedule, thanks to Cities Service Products.

26,000 uphill miles per year!

BUS LINE UP A VERMONT MOUNTAIN USES CITIES SERVICE GASOLENE AND OIL!

Says Rodolph Chartier, Mgr.: "Only Cities Service Products Have Provided The Quick, Sure Starting, Power and Thorough Lubrication We Must Have!"

CHARTIER SWITCHED TO CITIES SERVICE four years ago. He noticed "an immediate increase in power and better performance than any other gasolene had given." Chartier handles own lubrication with Cities Service Trojan Greases.

Up the mountain, down the mountain . . . up the mountain, down the mountain . . . 21 times a day! That's about as rugged a bus route as you'll find, in a really rugged piece of country.

Vermont winters are cold . . . and winter starting is a problem. Chartier says: "Cities Service Gasolene gives us quicker starting than any other."

Twisting, turning, uphill Vermont roads are rough. Chartier says: "We haul 80,000 passengers, 52,000 miles per year and Cities Service Gasolene provides more power than we need . . . more than we've ever had."

Heavy loads and tough hills mean hot engines. Chartier says: "Cities Service Triple HD Koolmotor Oil, S.A.E. 20, provides thorough lubrication under these engine-breaking conditions. We seldom add a pint between thousand-mile changes."

Why not consider Cities Service Gasolenes, Oils and Greases in your Bus or Trucking Operation?

CITIES SERVICE

QUALITY PETROLEUM PRODUCTS

PIPES, Tail and Exhaust—*continued*

Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 8, Ill. (Also bendable.)
Miller-Shelby Products Div., Michigan Steel Tube Products Co., 9450 Buffalo Blvd., Detroit 12, Mich.
Ohio Parts, Inc., 307 Perry St., Defiance, Ohio.
Porter Muffler Mfg. Co., 11820 W. Olympia Blvd., Los Angeles 64, Calif.
Powell Muffler Co., 315 Oriskany St. E., Utica 2, N. Y.
Pratt Industries, Inc., Frankfort, N. Y. (Also bendable.)
Ryder Mfg. Co., 220 N. Ada St., Chicago 7, Ill.
Tube Products Corp., 320 N. 2nd St., Tipp City, Ohio.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.

PISTON EXPANDERS, See Expanders, Piston Skirt

PISTON GRINDING MACHINES, See Machines, Piston Turning and Grinding

PISTON PINS, See Pins, Piston

PISTON RINGS, See Rings, Piston

PISTON RING COMPRESSOR, See Tools, Piston Ring Compressing

PISTON RING EXPANDERS, See Expanders, Piston Ring

PISTONS

Al-Fin Div., Fairchild Engine & Airplane Corp., Farmingdale, L. I., N. Y. (Aluminum with bonded and cast iron ring carriers.)
Aluminum Alloys Corp., 6650 Walton St., Detroit 10, Mich. "Ray Day."
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
American Hammered Automoitive Replacement Div., 2001 Sanford St., Muskegon, Mich.
Arrow Head Steel Products Co., Howell, Mich.
Badger Mfg. Co., 1505 City Court, Marinette, Wis. (Aluminum alloy.)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite."
Columbia Engineering Co., 505 W. Vine St., Columbia City, Ind.
Continental Motors Corp., Muskegon 82, Mich.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind. (Aluminum and cast iron.)
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Gillett & Eaton, Inc., 8th & Doughty Sts., Lake City, Minn. "G&E." (Cast iron, aluminum and Vanasil.)
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Aluminum and gray iron.)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Nylen Products Co., Lake Shore Drive, St. Joseph, Mich. (Aluminum and gray iron.)
Ohio Piston Co., 5342 Hamilton Ave., Cleveland 14, Ohio. "Lo-Ex" & "Lynite" aluminum; "Hyten" & "Deluxe" cast iron; "Strutype" steel insert aluminum.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Sterling Aluminum Products, Inc., 2925 N. Market St., St. Louis 6, Mo.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. "Diatrol," "Toledo First-Line."
Triplex Corp. of America, P. O. Box 666, Pueblo, Colo. (Aluminum.)
Tsungani Piston Co., 625 E. 11th St., Tacoma, Wash.
United Engine & Machine Co., 310 Preda St., San Leandro, Calif. "Dualay," "Silv-O-Lite."
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wisconsin Machinery & Mfg. Co., S. 60th St., & Beloit Rd., Milwaukee 14, Wis.
Zollner Machine Works, Fort Wayne, Ind. (Aluminum alloy.)

PLATES, Clutch Pressure

Accurate Parts Mfg. Co., Div. of Clevite Corp., 12435 Euclid Ave., Cleveland 6, Ohio.
Cleveland Graphite Bronze Co., 17000 St. Claire Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Marathon Foundry & Machine Co., 1212 West St., Wausau, Wis.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.

PLATES, FLOORING, See Flooring, Truck and Trailer

PLATES, Step

Hamlin Metal Products Co., 58 Exchange St., Akron, Ohio.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio. (Scuff.)
Western Metal Specialty Co., 1213 N. 62nd St., Milwaukee 13, Wis.
Western Motors, Body Div., 4834 Cermak Rd., Cicero, Ill.

PLIERS, Brake Spring, See Tools, Brake Spring Removing and Replacing

PLIERS, TERMINAL, See Tools, Battery Service

PLOWS, Snow, See Snow Plows

PLUGS, Fusible Safety for hydraulic lines

Shand & Jurs Co., 8th & Carlton Sts., Berkeley 10, Calif.

PLYWOOD, See Panels, Plywood

POINTS (Ignition)

American Motor Products Co., Fond du Lac, Wis. "Ampco."
American Platinum Works, N.J.R.R. Ave. at Oliver St., Newark 5, N. J. "APW."
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Andrew Parts Mfg. Co., 49 Amsterdam Ave., N. Y. 23, N. Y.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Fansteel Metallurgical Corp., 2200 Sheridan Rd., North Chicago, Ill.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Guaranteed Parts Co., Seneca Falls, N. Y.
Holley Carburetor Co., 5930 Vancouver Ave., Detroit 4, Mich.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind. "Elkonium" & "D-54."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Speer Carbon Co., St. Marys, Pa.
Springfield Electrical Specialties, Inc., 120 Wooster St., New York 12, N. Y. "Superpoint."
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "J-W."
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Super Go," "Wells."
Wilson Co., H. A., Union, N. J. "Wilco."

POLISH, Body

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Atomix, Inc., Box 486, Wilmington 99, Del. "Atolak."
Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa. "Cleanola."
Barton Products Co., 2765 St. Marys Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill.
Belvidere Laboratories, 700 W. Locust St., Belvidere, Ill. "Metalglas."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Boyle-Midway, Inc., 22 E. 40th St., New York 16, N. Y. "Auto-Brite."
Bullseye Corp., 150 Amity St., New Haven 15, Conn. "I.C.U," "Plasticote." (Sole distributors Livingston Co., 150 Amity St., New Haven 15, Conn.)
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Lecton Car Care."
Colorglo Products, Inc., 109 N. Newlin Ave., Whittier, Calif.
Continental Car-Na-Var Corp., Brazil, Ind. "Nu-Sheen."
Detroit Cover Co., 3410 W. Fort St., Detroit 16, Mich. "Rapid-Glow."
Drew & Co., E. T., Automotive Chemicals Div., 15 E. 26th St., New York 10, N. Y. "Gleem."
Dupli-Color Products Co., 2440 S. Michigan Ave., Chicago 16, Ill.
du Pont de Nemours & Co., E. I., Chemical Specialties Div., Wilmington 98, Del. "No. 7," "Seven-ite," "Spray Glaze."
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Formax Mfg. Co., 3171 Bellevue St., Detroit 7, Mich.
Freeman & Freeman, Inc., 600 Grant St., Denver 3, Colo.
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Venus," "Lusterize." (Wax.)
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Jetron Co., 757 N. Broadway, Milwaukee, Wis.
Johnson & Son, Inc., S. C., Racine, Wis.
Jones Products, Inc., 276 Third St., Cambridge 42, Mass. "Albionite," "Car-Glo."
Ken-Nite Co., 2926 Hancock Ave., W., Detroit 8, Mich. "Ken-Nite," "Ken-Glo."
Lacquerwax Co., 31 Spruce St., Hartford 3, Conn. (Wax.)
Lee Polish Mfg. Co., 1399 Utica Ave., Brooklyn 3, N. Y.
Liquid Veneer Corp., Urban & Kehr St., Buffalo 11, N. Y.
Lusco, Inc., 5915 Bonna Ave., Cleveland 3, Ohio. "Lusco-vize" & "Sil-vize."
McAleer Mfg. Div. of Higbie Mfg. Co., Fourth & Water Sts., Rochester, Mich.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Milwaukee Electric Tool Corp., 5316 W. State St., Milwaukee 8, Wis. "Kar-buff" & "Perma-buff."
Mirror Bright Polish Co., 910 E. Colorado St., Pasadena, Calif. "Meguiar's."
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Plasticlear Products, Inc., 29 Mills St., Malden, Mass.
Protective Coatings, Inc., 14153 Prevost St., Detroit 27, Mich.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure."
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Miracle."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Open."
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Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobilgloss."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio. "Karglo."
Stain-Ox Co., 625 E. First Ave., Roselle, N. J.
Stanley Co., John T., 642 W. 30th St., New York 1, N. Y. "Mobo."
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Tone Mfg. Co., 706 Jefferson St., Grand Rapids 3, Mich.
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Min-Mum," "Turco Revel."
V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Por-Cel-Seal."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
Wilson-Imperial Co., 115 Chestnut St., Newark 5, N. J. "Wonder-Brite."
Zecol, Inc., 3270 S. 3rd St., Milwaukee 7, Wis.

POLISHERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44 St., N. Y. 17, N. Y.
Clarke Sanding Machine Co., 30 E. Clay Ave., Muskegon, Mich.
Cummins Portable Tools Div. of Cummins Chicago Corp., 4740 W. Ravenswood Ave.
Dremel Mfg. Co., 2420 18 St., Racine, Wis.
Jones Motorola Corp., 432 Fairfield Ave., Stamford, Conn.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5216 W. State St., Milwaukee 8, Wis.
Nedco Co., 87 Rumford Ave., Waltham, Mass.
Portable Elec. Tools, Inc., 320 W. 83rd St., Chicago 20, Ill.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Polishers."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool, Div. of Emerson Electric Mfg. Co., 1050 Findlay St., Aurora, Ill.

POLISHERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Rato Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Polishers."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

POLISHING COMPOUNDS, See Compounds, Rubbing and Polishing

POWER TAKE-OFFS, See Take-Offs, Power

PRESSES, Arbor

Acromark Co., 9 Morrell St., Elizabeth 4, N. J. "Hercules."
Bee-Line Co., Box 569, Davenport, Iowa.
Bellows Co., 222 W. Market St., Akron 9, Ohio. (Pneumatic.)
Benchmaster Mfg. Co., 1835 W. Rosecrans Ave., Gardena, Calif.
Champion Blower & Forge Co., Harrisburg Ave., & Charlotte St., Lancaster, Pa.
Dake Engine Co., 639 Monroe St., Grand Haven, Mich.
Evans Reamer & Machine Co., New Lexington, Ohio. (Electric and hydraulic.)
Famco Machine Co., 3100 Sheridan Rd., Kenosha, Wis.
French Oil Mill Machinery Co., Piqua, Ohio.
General Mfg. Co., 6432 Farnsworth Ave., Detroit 11, Mich. "Flexible Power."
Greenerd Arbor Press Co., 41 Crown St., Nashua, N. H. (Hand and hydraulic.)
Hannifin Mfg. Co., 1101 S. Kilbourn Ave., Chicago 24, Ill. (Pneumatic.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Electric and hydraulic.)
Logansport Machine Co., Center Ave., Logansport, Ind. "Logan." (Pneumatic and hydraulic.)
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Manzel, Div. of Frontier Industries, Inc., 315 Baccock St., Buffalo 10, N. Y.
Mead Specialties Co., 4114 N. Knox Ave., Chicago 41, Ill. (Pneumatic.)
Owatonna Tool Co., 432 N. Cedar St., Owatonna, Minn.
Products Machine Co., 990 Housatonic Ave., Bridgeport 1, Conn.
Studebaker Machine Co., 1221 S. 9th Ave., Maywood, Ill. (Hydraulic.)
Treadwell Tap & Die Co., Greenfield, Mass. "Champ Jr."
Tripp, F. A., 409 E. Fort St., Detroit 26, Mich.
Watson-Stillman Co., Aldene Rd., Roselle, N. J. (Hydraulic.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

PRESSES, Hydraulic

Air Hydraulics, Inc., 811 Belden St., Jackson, Mich.
American Broach & Machine Co. (Div. of Sundstrand Machine Tool Co.), 415 W. Huron St., Ann Arbor, Mich.
American Steel Foundries, Elemo Engrg. Div., 1155 Tennessee Ave., Cincinnati 29, Ohio. "Elmes."
Anderson Bros. Mfg. Co., 1907 Kiswaukee St., Rockford, Ill.
Baldwin-Lima-Hamilton Corp., Eddystone Div., Chester Pike & Simpson St., Philadelphia 42, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis.
Bliss Co., E. W., 1375 Raff Rd. S. W., Canton, Ohio.
Brandt Machine Co., C. R., Roosevelt Ave., York, Pa.
Chambersburg Engrg. Co., Derbyshire St., Chambersburg, Pa.
Clearing Machine Corp., 6499 W. 65th St., Chicago 38, Ill.
Colton Co., Div. of Snyder Tool & Engrg. Co., 3400 E. Lafayette St., Detroit 7, Mich.
Dake Engine Co., 630 Monroe St., Grand Haven, Mich. (Electrically, air and hand operated.)
Denison Engineering Co., 1160 Dublin Rd., Columbus, Ohio.
Diamond Machine Tool Co., 4329 E. Olympic Blvd., Los Angeles 23, Calif.
Erie Foundry Co., 1253 W. 12th St., Erie, Pa.
Farrel-Birmingham Co., 97 Main St., Ansonia, Conn.
French Oil Mill Machinery Co., Piqua, Ohio.
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Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Hydropress, Inc., Empire State Bldg., 350 Fifth Ave., N. Y. 1, N. Y. "Loewy-Hydropress."
Lake Erie Engineering Corp., 890 Woodward Ave., Buffalo 17, N. Y.
Lapointe Machine Tool Co., 34 Tower St., Hudson, Mass. "Lapointe Hudson."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. "Elect-Draulic."
Link Engrg. Co., 13845 Elmira Ave., Detroit 27, Mich.
Logansport Machine Co., Center Ave., Logansport, Ind.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Mesta Machine Co., Box 1466, Pittsburgh, Pa.
Morgan Engineering Co., Broadway and C. & P. R. R., Alliance, Ohio.
Munton Mfg. Co., 9400 Belmont Ave., Franklin Park, Ill.
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Oliver Corp., A. B., Farquhar Div., 142 N. Duke St., York, Pa. "Farquhar."
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
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Studebaker Machine Co., 1221 S. 9th Ave., Maywood, Ill.
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Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.
West Tire Setter Co., 399 Exchange St., Rochester 8, N. Y.
Williams, White & Co., Third Ave. & Eighth St., Moline, Ill.
Wilson, K. R., 216 Main St., Buffalo 3, N. Y. "K.R.W."
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."
Wood Co., R. D., Room 1072, Public Ledger Bldg., Philadelphia 5, Pa.

PRESSES, Straightening (Wheel)

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Buechler & Sons, J. A., 409 E. Fort St., Detroit 26, Mich. "Oxford."
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis 2, Ind. "Seal Line."

PROPANE, See Fuels, Engine

PRUSSIAN BLUE, See Blue, Mechanics

PULLERS, Bearing, Gear and Wheel

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Armstrong-Bray & Co., 5364 Northwest Highway, Chicago, Ill. "Steelgrip."
Atmars Mechanico, 3651 Lakeshore Ave., Oakland 10, Calif.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Wheel.)
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill. (Wheel.)
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Porto-power." (Hydraulic.)
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
C. & G. Wheel Puller Co., Scio, N. Y.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich. (Also timing gear.)
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif.
Campbell Auto Wks., 2128 N. F St., Stockton, Calif.
Cornwell Quality Tools Co., Mogadore, Ohio.
Crane Puller Co., 11 River St., West Newton, Mass.
Curtiss & Smith Mfg. Corp., 125 E. 4th St., Pottstown, Pa. "C. S."
Dalton Foundries, Inc., Warsaw, Ind. "Big Boy."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Gerb Co., 181 Canton St., Stoughton, Mass.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis.
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Jaw Mfg. Co., 39 Mulberry St., Reading, Pa.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (Wheel.)
Ken-Tool Mfg. Co., 768 E. North St., Akron 6, Ohio.
Kennedy Service Tools Co., P. O. Box 33, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
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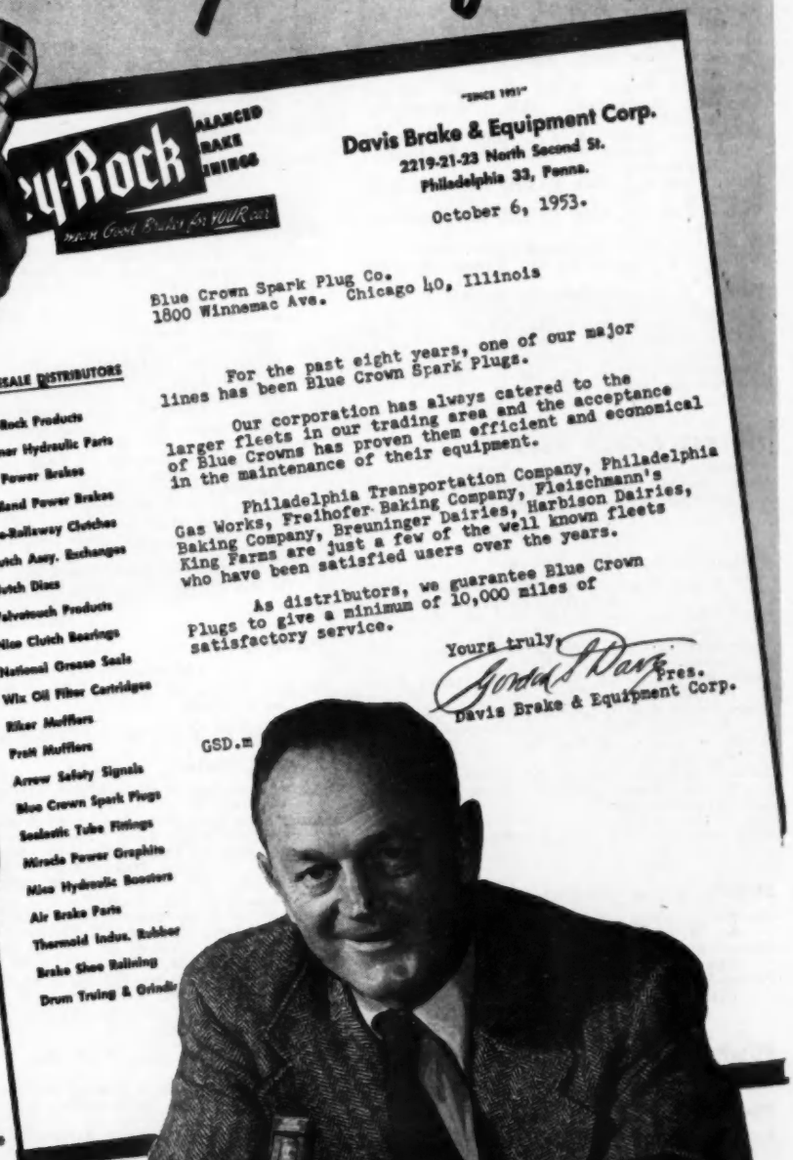

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P. & C. Hand Forged Tool Co., Box 5926, Milwaukee, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 51, Cal.
Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Rinck McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill. (Wheel.)
Simmons Mfg. Co., Ashland, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Springfield Wheel Puller Co., 510 Hubert Ave., Springfield, Ohio. "Springfield," "Mayo."
Templeton, Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. "Simplex-Jenny." (Hydraulic.)
Ullmo Tool Co., 1561 E. 27th St., Cleveland, Ohio.
Vlchek Tool Co., 3000 E. 87th St., Cleveland, Ohio.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (For Ford cars.)
Wright Tool & Forge Co., 42 E. State St., Barberton, Ohio. (Wheel.)
Zim Mfg. Co., 3007 Carroll Ave., Chicago, Ill.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

PULLERS, Cylinder Head

Cornwall Quality Tools Co., Mogadore, Ohio.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich. (For Ford cars.)

PULLERS, Cylinder Sleeve

Fort Dodge Machine & Supply Co., 529 First Ave., S. Fort Dodge, Iowa, "Precision."
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Hein Werner Corp., 1200 National Ave., Waukesha, Wis. (Hydraulic.)
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis. "Hunt's."
Marvel Tool & Machine Co., 1096 N. River Rd., St. Clair, Mich. (Hydraulic-operated.)
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC." (Also hydraulic conversion sets.)

PULLERS, Vehicle, See Towers

PUMPS, Brake (Vacuum)

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Hetzel Bros., 1972 S. Los Angeles St., Los Angeles 11, Calif.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Lathan."

PUMPS, Drum or Barrel Type

Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn.
Wood Co., John, Bennett Pump Div., Muskegon, Mich. "Bennett."

PUMPS, Fuel

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Mechanical, also combustion fuel feed and vacuum.)
Airtex Automotive Div., Airtex Products, Inc., Fairfield, Ill. (Also combination fuel and vacuum.)
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Autopulse Corp., 218 E. Dowland St., Ludington, Mich. (Electric.)
Blackstone Mfg. Co., 4630 W. Harrison St., Chicago 44, Ill. "BMC."
Carter Carburetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo. (Electric and mechanical.)
Eastern Industries, Inc., 296 Elm St., New Haven 6, Conn.
Eclipse Machine, Div. Bendix Aviation Corp., Elmira, N. Y. "Bendix." (Electric.)
Electric Auto-Lite Co., Toledo 1, Ohio.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J. (Also combination fuel and vacuum.)
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
Murray Auto Specialty Co., Airprene Div., 1228 S. Olive St., Los Angeles 15, Calif.
P & D Mfg. Co., 1902 Steinway St., Long Island City 5, N. Y.
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "K-W."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago 14, Ill. (Electric, vacuum.)
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Vepco Fuel Pump Sales, 17304 Lahser Rd., Detroit 19, Mich.

PUMPS, Gasoline (Filling Station)

American Pumps, Inc., 1035 Woodrow St., Cincinnati 4, Ohio. "American Beauty."
Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne, Ind.
Correct Mfg. Co., Box 190, Rochester, Pa. "Correct-O-Meter."
Dayton Pump & Mfg. Co., 500 N. Webster St., Dayton, Ohio. "Rapidayton."
Erie Meter Systems, Inc., Pearl St. & Wagner Ave., Erie, Pa.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Calco-Meter," "Gilbarco."
Smith Corp., A. O. Meter Div, 5715 Smithway St., Los Angeles 27, Calif.
Southwest Pump Co., First & Center Sts., Bonham, Tex.
Tokheim Oil Tank & Pump Co., 1602 Wabash Ave., Fort Wayne, Ind.
Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.
Wood Co., John, Bennett Pump Div. Broadway & Wood Sts., Muskegon, Mich. "Bennett."

PUMPS, Oil

(Advertisers Only)

Wohlert Corp., 700 E. Grand River Ave., Lansing 5, Mich.

PUMPS, Water

Airtex Automotive Div., Airtex Products, Inc., Fairfield, Ill.
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Atlas Brass Foundry Co., 32 W. Deshler Ave., Columbus, Ohio. "Abco," "Everseal."
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Automotive Replacements, Inc., 2251 S. Michigan Ave., Chicago, Ill. "Exact."
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati 9, Ohio.
Elgin Machine Works, 412 N. State St., Elgin, Ill. (For Ford, Chevrolet and Plymouth cars.)
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Grapho Products, Inc., P. O. Box 300, Lawrence, Ind.
King Quality Products Div. of Mc-Quay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
L C Products, Inc., 2232 Alvord St., Indianapolis 7, Ind.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Marathon Foundry & Machine Co., 1212 West St., Wausau, Mich.
McQuay-Norris Mfg. Co., St. Louis 10, Mo. (Factory Rebuilt.)
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Parts Specialties, 5984 Lincoln Ave., Detroit 8, Mich. (Factory Rebuilt.)
Schwitzer-Cummins Co., 1125 Massachusetts Ave., Indianapolis 7, Ind. "Hy Duty."
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
Warner Machine Products, Inc., 1200 Rochester St., Muncie, Ind. "WMP."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.
Wolverine Gear & Parts Co., Osseo, Mich.

RACKS, Stock, Tire and Tool (Metal)

Ainsworth Mfg. Co., 2200 Franklin St., Detroit 7, Mich. "Mult-A-Frame."
Angle Steel Stool Co., 56 Oak St., Plainwell, Mich.
Aurora Equipment Co., Prairie St., at Cleveland Ave., Aurora, Ill.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown." (Tire.)
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Bay Products, Inc., 3001 N. 16th St., Philadelphia 32, Pa.
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio.
Brown Engineering Co., 131 N. Third St., Reading, Pa., (Bar stock and tubing.)
Durlach Can & Iron Works, 174 Seventh St., Brooklyn 15, N. Y.
Economy Engineering Co., 4511 W. Lake St., Chicago 24, Ill. (Barrel.)
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Franklin Co., Bernard, Healey & Bath Sts., Philadelphia 37, Pa.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "FGM."
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
International Equipment Co., 9 Carlton St., Buffalo 3, N. Y.
Kirspel Industries, Inc., Livingston, N. J.
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown Sta., Mass. "Load Master."
Logan Co., Cabel St., Louisville 6, Ky.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich. "MHS." (Stock.)
Metal Industries, Inc., P. O. Box 945, Youngstown, Ohio. "Jambar."
Miller Co., L. B., 394 State St., Stamford, Conn. (Magnetic, for small parts.)
Paltier Corp., 1701 Kentucky St., Michigan City, Ind.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J. (Barrel and drum.)
Service Caster & Truck Corp., 540 N. Brownswood Ave., Albion, Mich.
Unistrut Products Co., 1015 Washington Blvd., Chicago 7, Ill. (Framing.)

RADIATOR COVERS, See Covers, Radiator Grille

RADIATOR GRILLES, See Grilles, Radiator

RADIATOR SHUTTERS, See Shutters, Radiator

RADIATORS, Engine Cooling

Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill. "Eureka."
Blackstone Corp., 1088 Allen St., Jamestown, N. Y.
Excel Auto Radiator Co., 320 E. 21st St., Chicago 16, Ill.
Fedders-Quigan Corp. Co., 57 Tonawanda St., St., Buffalo 7, N. Y.
G & O Mfg. Co., 138 Winchester Ave., New Haven, Conn.
General Radiator Co., Marion, Ill.
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
Kramer Auto Radiator Corp., 210 W. 65th St., New York 23, N. Y.
Long Mfg. Div. Borg-Warner Corp., 12501 Duquindre St., Detroit, Mich.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
Modine Mfg. Co., 1500 De Koven Ave., Racine, Wis.
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 7, Wis.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Yates-American Machine Co., Beloit, Wis.
Young Radiator Co., 709 S. Marquette St., Racine, Wis.

RADIOS, Two-Way

A. R. F. Products, Inc., 7627 Lake St., River Forest, Ill.
Bendix Radio Communications Div., Bendix Aviation Corp., E. Joppa Rd., Towson 4, Md.
Communications Co., 300 Greco Ave., Coral Gables 34, Fla. "Comco."
Federal Telephone & Radio Corp., 100 Kingsland Rd., Clifton, N. J.
General Electric Co., Electronics Div., Electronics Park, Syracuse, N. Y.

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Kaar Engrg. Corp., 2995 Middlefield Rd., Palo Alto, Calif.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Radio Corp. of America, Mobile Communications Section, Engineering Products Dept., Camden, N. J.

RADIOS, Vehicle (Receivers)

Automatic Radio Mfg. Co., 122 Brookline Ave., Boston, Mass.
Bendix Radio Communications Div., Bendix Aviation Corp., E. Joppa Rd., Towson 4, Md. (Custom built.)
Delco Radio Div., General Motors Corp., Kokomo, Ind.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Philco Corp., Industrial Radio Div., Tioga & C Sts., Philadelphia 34, Pa.

RAILS, Rub (Pressed Steel)

Bath Co., Cyril, 32280 Aurora Rd., Solon, Ohio.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Hart Metal Products Corp., 3333 Hammond Ave., Elkhart, Ind.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
Magline, Inc., 952 Murray Rd., Pinconning, Mich.
Parish Pressed Steel Co., Robeson & Weiser Sts., Reading, Pa.

RAMPS, Truck Loading

Christensen Co., Wm., Sherman St. & P Railway, York, Pa. (Adjustable.)
Globe Hoist Co., E. Mermaid Lane & Queen St., Philadelphia 18, Pa. (Hydraulic.)
Illo Engrg. Co., John B., 2414 E. 57th St., Los Angeles, Calif.
Magline, Inc., 952 Murray Rd., Pinconning, Mich.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J. "Make-It-Evener." (Hydraulic.)
Rotary Lift Co., 1054 Kansas St., Memphis 2, Tenn. "Leva-Docks."
Rowe Methods, Inc., 2534 Detroit Ave., Cleveland 13, Ohio. "Adjust-A-Dock," "Adjust-A-Truck." (Electric hydraulic.)

RAMS, Hydraulic

Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Ausco."
Bee-Line Co., P. O. Box 569, Davenport, Iowa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Porto-Power."
Hein-Werner Corp., 1200 National Ave., Waukesha, Wis. "Power Plus."
Livingston Mfg. Co., 8438 Otis St., South Gate, Cal.
Munton Mfg. Co., 9400 Belmont Ave., Franklin Park, Ill. (Hydraulic remote control.)
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Porter-Ferguson." (Hydraulic remote control.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Hydra-Pak," "Snap-On."
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."
Templeton Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. "Simplex Remotrol."

REAMERS, Cylinder Ridge

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Evans Reamer & Machine Co., New Lexington, Ohio.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. "Waterbury Hall."
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

REAMERS, Main Bearing and Connecting Rod

Keystone Reamer & Tool Co., Millersburg, Pa.
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y. (Connecting rod.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

REAMERS, Power Drive

Evans Reamer & Machine Co., New Lexington, Ohio.
Greaves Machine Tool Co., Eastern Ave. & Hazen St., Cincinnati, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
United States Electrical Tool Div. of Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio. "U. S."
Van Norman Co., 3640 Main St., Springfield 7, Mass. "Reamo."

REAMERS (Solid Expansion and Adjustable)

Ace Drill Corp., 2600 E. Maumee St., Adrian, Mich. (Solid.)
Alvord-Polk Tool Co., 110 Gearhart St., Millersburg, Pa. "Alpo."
Arrow Tool & Reamer Co., 418 Livernois Ave., Detroit 9, Mich. (Solid.)
Barber-Colman Co., 1300 Rock St., Rockford, Ill. (Solid and adjustable.)
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa.
Besly-Welles Corp., 20 N. Wacker Drive, Chicago 6, Ill.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Chadwick & Trefethen, 32 Bow St., Portsmouth, N. H. "Critchley," "C & T."
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio. "Quick-Set," "Peerless," "Spirex."
Davis Boring Tool Div. of Larkin Giddings & Lewis Machine Tool Co., 142 Doty St., Fond du Lac, Wis.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Evans Reamer & Machine Co., New Lexington, Ohio. (Expansion.)
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "G T D-Ampco." (Solid and expansion.)
Hill Nut Co., 2620 W. Flourney St., Chicago 12, Ill.
Hjorth Lathe & Tool Co., 12 Beacon St., Woburn, Mass. "B-Ver." (Expansion and adjustable.)
Kelly Reamer Co., 3775 Ridge Rd., Cleveland, Ohio. (Adjustable.)
Keystone Reamer & Tool Co., Millersburg, Pa.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Adjustable.)
McCrosky Tool Corp., S. Main St., Meadville, Pa. "Super." (Adjustable.)
Madison Mfg. Co., 1713 7th St., Muskegon, Mich. (Adjustable.)
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
National Twist Drill & Tool Co., Rochester, Mich. (Solid.)
New Britain Machine Co., South St., New Britain, Conn.
O. K. Tool Co., Milford, N. H. (Adjustable.)
Pratt & Whitney Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Production Tool Co. of America, 6474 Le Grand Ave., Detroit 11, Mich.
Reasor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill. (Expansion; also solid valve guide.)
Reiff & Nestor Co., Lykens, Pa.
Reltool Corp., 4540 W. Burnham St., Milwaukee 46, Wis.
Shearcut Tool Co., 7045 Darby Ave., Resida, Calif. "Shearcutter."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Standard Tool Co., 3950 Chester Ave., Cleveland 14, Ohio. "Shield Brand."
Staples Tool Co., 2851 Massachusetts Ave., Cincinnati 25, Ohio. (Carboloy tipped, solid and expansion.)
Taft-Peirce Mfg. Co., 32 Mechanic Ave., Woonsocket, R. I.
Tomkins-Johnson Co., 617 N. Mechanic St., Jackson, Mich. "T-J."
Tungsten-Carbide Tool Co., 26250 W. 7-Mile Rd., Detroit 19, Mich.
Union Twist Drill Co., Monroe St., Athol, Mass.
Union Twist Drill Co., Butterfield Div., Derby Line, Vt. (Solid and expansion.)
Vermont Tap & Die Corp., Main & Grove Sts., Lyndonville, Vt. (Solid.)
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.
Wendt-Sonis Co., Hannibal, Mo. "W-S." (Solid carbide tipped.)
Wesson Co., 12200 Woodward Heights Blvd., Ferndale 20, Mich.
Westmore Reamer Co., 420 N. 27th St., Milwaukee 8, Wis. (Adjustable.)
Whitman & Barnes, Div. of United Drill & Tool Corp., Plymouth, Mich. "Hercules." (Solid and expansion.)
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

REAMERS, VALVE SEAT, See Tools, Valve Seat Refinishing

RECAPPING & RETREADING, See Molds, Tire Recapping & Retreading

RECLAIMERS, Crankcase Oil

Burt Mfg. Co., 44 E. South St., Akron 11, O.
Hilliard Corp., 113 W. Fourth St., Elmira, N. Y. "Hilco."
Kidde & Co., Walter, Youngstown Miller Div., 675 Main St., Belleville, N. J. "Youngstown Miller."
Sparkler Mfg. Co., Lake St., Mundelein, Ill.

RECORDERS, Vibration

Impact-O-Graph Corp., 1900 Euclid Ave., Cleveland 15, Ohio.

RECORDERS, Vehicle Movement

Engler Instrument Co., 250 Culver Ave., Jersey City 5, N. J. "Pe Ja Travel Log."
Sangamo Electric Co., Converse & N. 10th St., Springfield, Ill. "Sangamo Tachograph." (Sole distributors, Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.)
Service Recorder Co., 1375 Euclid Ave., Cleveland 15, Ohio. "Servis."
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "Ustclock," "Ustocograph," "Ustcometers."
Wagner Electric Corp., 6476 Plymouth Ave., St. Louis 14, Mo. "Tachograph."

REFACERS, Valve (Electric)

Albertson & Co., 3100 Lowell Ave., Sioux City, Ia. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Evans Reamer & Machine Co., New Lexington, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Valve."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Tobin-Arp Mfg. Co., 6400 Penn Ave. S., Minneapolis 23, Minn.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Waterbury Tool, Div. of Vickers, Inc., 118 E. Aurora St., Waterbury 91, Conn. "Waterbury Hall."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

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REFLECTIVE MATERIALS

By-Buck Co., 4314 W. Pico Blvd., Los Angeles 6, Calif.
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul, Minn. "Scotchlite."
Prismo Safety Corp., Huntington, Pa.

REFLECTORS, Safety

American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee Hy-power," "King Bee Foto-Ray."
Amesbury Metal Products Co., 39 Oakland St., Amesbury, Mass.
Anthes Force Oiler Co., Ft. Madison, Iowa.
Arrow Safety Device Co., Mt. Holly, N. J. "Arrowlite."
Auto Lamp Mfg. Co., 2909 S. Indiana Ave., Chicago 16, Ill. (For trucks.)
Bolser Corp., S. Main St., Cedar Falls, Iowa. (For trucks.)
Cole Automotive Products Co., 2705 S. Michigan Ave., Chicago 16, Ill. (For trucks, trailers and buses.)
Delbar Products, Inc., 7th & Spruce Sts., Perkasie, Pa.
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (For trucks.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Tiger Ey."
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Johnson Glass Co., 5248 Elston Ave., Chicago 30, Ill.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S." (Red, green or amber reflecting glass.)
Miro-Flex Co., 1824 E. Second St., Wichita 7, Kan. "Miro-Flare."
Norlipp Co., 5925 S. Lowe Ave., Chicago 21, Ill. (For trucks.)
Persons-Majestic Mfg. Co., 54 Commercial St., Worcester, Mass.
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Calif.
Snow Plastics Corp., 5840 S. Oakley Ave., Chicago 36, Ill. "Cragg."
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Red and amber.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Superior Parts Mfg. Corp., 1922 W. Grand Ave., Chicago 22, Ill.
U. S. Tool & Mfg. Co., 1528 Armitage Ave., Chicago 22, Ill. "Eagle Brand."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (For trucks.)

REFRIGERATING UNITS, Truck and Trailer

Air Induction Corp., 122 W. 30th St., New York 1, N. Y.
American Mfg. Co., P. O. Box 989, Montgomery 2, Ala. "Arctic Traveler." (Gasoline and electric driven.)
Bowser, Inc., Terryville, Conn.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Carrier Corp., 300 S. Geddis St., Syracuse 1, N. Y.
Dole Refrigerating Co., 5920 N. Pulaski Rd., Chicago, Ill. (Vacuum cold plate evaporators.)
Dromgold & Glenn, Div. of Union Asbestos & Rubber Co., 332 S. Michigan Ave., Chicago, Ill. "D. & G." (Produce; also combination water and dry ice.)
Dyna-Kold Corp., 3221 20th St., San Francisco 10, Calif.
Elston Co., Rue R., 2397 University Ave., St. Paul 14, Minn. (Dry ice for cargo.)
Foster-Built Bunkers, Inc., 757 W. Polk St., Chicago 7, Ill. (Dry ice.)
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton, Ohio.
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Dry ice.)
Keco Industries, Inc., 2832 Spring Grove Ave., Cincinnati 25, Ohio.
Kold Hold Div. of Tranter Mfg., Inc., 620 E. Hazel St., Lansing 4, Mich. "Kold-Hold," "Kold Trux."
Lehigh Mfg. Co., Fountain Ave., Lancaster, Pa.
Marvel Industries, Inc., Sturgis, Mich. (Trailer.)
Meyer Body Co., 218 Elm St., Buffalo 3, N. Y. "Frigid-Fin."
Schwitzer-Cummins Company, 1125 Massachusetts St., Indianapolis 7, Ind.
Tecumseh Products Co., Tecumseh, Mich.
Theurer Wagon Works, Inc., 601 W. 56th St., New York 19, N. Y. "Theurer Icefin."
Tru Kooler, Inc., 135 S. Frederick Ave., Oelwein, Iowa.
U. S. Thermo Control Co., 44 S. 12th St., Minneapolis 4, Minn. "Thermo-King."

REGROOVERS, Tire

Bean Div. Food Mchry. & Chemical Corp., 1305 S. Cedar St., Lansing 4, Mich.
International Equipment Co., 9 Carlton St., Buffalo, N. Y.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.
Mertens Mfg. Co., 1533 Hamilton Ave., Racine, Wis.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Thompson & Sons, O. E., 400 River St., Ypsilanti, Mich. "Champion."
Van Tool, 139 N. 22nd St., Philadelphia 3, Pa.

REGULATORS, Current and Voltage

American Bosch Corp., Springfield 7, Mich.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Electric Auto-Lite Co., Toledo 1, Ohio.
Electro Auto-Lite Co., Owen Dyneto Div., 1930 Park Ave., Syracuse, N. Y.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Guaranteed Parts Co., Seneca Falls, N. Y.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill. (Voltage.)
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.

REGULATORS, Humidity (Paint Shop)

Bristol Co., Waterbury 91, Conn.
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Horn.)
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Powers Regulator Co., 3400 Oakton St., Skokie, Ill.
Standard Dry Kiln Co., P. O. Box 5708, Indianapolis 21, Ind.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J. "Tag."

RELAYS, Horn and Light

American Motor Products Co., Fond du Lac, Wis.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb. (Horn.)
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna St., Loganport, Ind.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis (Light.)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo. (Light.)

REMOVERS, OIL AND GREASE, See Solvents, Oil Carbon and Grease Removing

REMOVERS, Paint, Enamel and Varnish

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
Aeroil Products Co., Wesley St. South, Hackensack, N. J. "Aeroil Auto-Salv."
American Chemical Paint Co., Brookside Ave. & Reading R. R., Ambler, Pa. "Solvent No. 3."
American Varnish Co., 1138 N. Branch St., Chicago 22, Ill.
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa.
Barr & Co., W. M., 2336 S. Lauderdale St., Memphis 6, Tenn. "Kleen Strip" & "Strip-X."
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite."
Cee-Bee Chemical Co., 9520 E. Ceebee Drive, Downey, Calif.
Celco Corp., 110 E. 42nd St., New York 17, N. Y. "Time Saver."
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. "Kaystrip." (Oil base paint.)
Continental Car-Na-Var Corp., Brazil, Ind. "Car-Na-Solve."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Curran Corp., S. Canal St., Lawrence, Mass.
Day & Co., James B., 1872 Clybourn Ave., Chicago 14, Ill. "Kut-Kote."
Delta Chemical Co., 682 S. Cox St., Memphis 1, Tenn.
Detrex Corp., Box 501, Detroit 32, Mich. "Detrex," "Triad."
Ditzler Color Div. of Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
du Pont de Nemours & Co., E. I., Electro-Chemicals Dept., Wilmington 98, Del.
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "70 Stripper." (Hot.)

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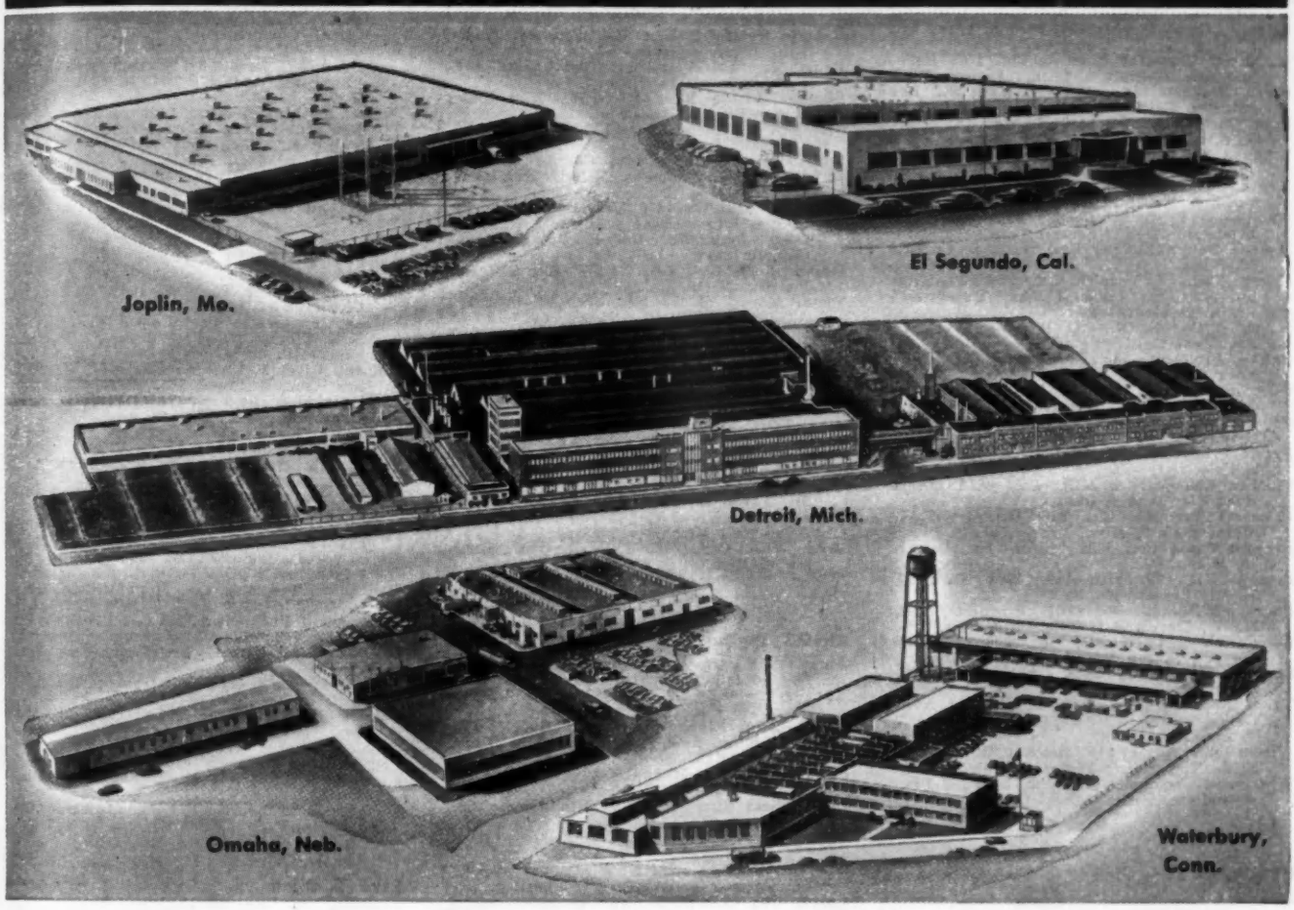

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REMOVERS, Paint, Etc.—*continued*

Helper Paint Removing Service, Inc., Cleveland, Ohio.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industro."
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif.
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Mirac."
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Stripit."
Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."
Modene Paint Co., 305 Eastern Ave., Chelsea 50, Mass.
Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Superwet." (Paint and varnish.)
Nason & Co., R. N., 151 Potrero Ave., San Francisco, Calif. "Remuvol."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y. "Octastrip."
Pennsylvania Salt Mfg. Co., 1000 Widener Bldg., Philadelphia 7, Pa. "Pennsalt."
Permo Products Corp., 1629 Platte St., Denver 2, Colo.
Pioneer Chemical & Mfg. Co., 9812 Meech Ave., Cleveland 5, Ohio.
Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer-Flo."
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich.
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul No. 23."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Five-Star."
Standard-Tock Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Klensa."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Stripper," "Turco Paint-Gon."
Wilson-Imperial Co., 115 Chestnut St., Newark, N. J. "Imperial." (Water rinsable.)
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.

RESURFACERS, Floor

Monroe Co., Inc., 10703 Quebec Ave., Cleveland 6, Ohio.
Stonhard Co., 1306 Spring Garden St., Philadelphia 23, Pa. "Stonhard Resurfacer," "Stonplastic," "Stonpach."

RETAINERS, Oil and Grease

Acadia Div., Western Felt Works, 4035 Ogden Ave., Chicago 23, Ill. "Acadiaseal." (Synthetic rubber.) "Arcadia Resistofelt."
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Atlas Asbestos Co., North Wales, Pa. (Water pump.)
Booth Felt Co., 476 19th St., Brooklyn 15, N. Y. (Felt.)
Brummer Mfg. Corp., 1324 McKinley St., Chicago Heights, Ill.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass. "Grafton."
Canfield Co., H. O., 129 Housatonic Ave., Bridgeport 1, Conn.
Chicago Rawhide Mfg. Co., 1301 Elston Ave., Chicago 22, Ill.
Copeland-Gibson Products Corp., 7451 W. Eight Mile Rd., Detroit, Mich. "C-G."
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Fel-Pro."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Graphite Metallizing Corp., 1080 Nepperhan Ave., Yonkers 3, N. Y. "Graphalloy."
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass. (Synthetic, to order.)
Krug Co., 8 Bond St., New York, N. Y.
Lothrop Co., Frank B., 81 River St., South Acton, Mass. "Tiger." (For Ford and Chevrolet cars.)
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
Michigan Leather Products Co., 6301 E. Lafayette St., Detroit 7, Mich. "Milpaco."
Muskegon Piston Ring Co., Muskegon Div. Sixth & Alpha Sts., Muskegon, Mich.
National Motor Bearing Co., Redwood City Calif. (Seals.)
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa. "Purebon."
Roberts Toledo Rubber Co., Prospect & MC RR., Toledo 6, Ohio.
Rodic Chemical & Rubber Corp., Allen Ave., New Brunswick, N. J.
Simplex Piston Ring Mfg. Co., 3830 Kelley Ave., Cleveland 14, Ohio.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Steel-Bronze Sealing Rings Co., 540 S. Meridian St., Indianapolis 25, Ind. "Non-breakable."
Trautner Mfg. Co., 876 University Ave., St., Paul 4, Minn. (Rear axle, for Ford, Chevrolet, Plymouth, Dodge, De Soto and Chrysler cars.)
Universal Oil-Seal Co., 34 W. Kennett Rd., Pontiac, Mich.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. "Victoprene."
Western Felt Works, 4035 Ogden Ave., Chicago 23, Ill. "Resistofelt." (Felt.)

RIMS, Wheel

Firestone Steel Products Co., 1200 Firestone Parkway, Akron 10, Ohio.
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio. (Bus and truck.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Motor Wheel Corp., 735 E. Saginaw St., Lansing 3, Mich.

RINGS, Piston

American Hammered Automotive Replacement Div. 2001 Sanford St., Muskegon, Mich.
Antajen Industries, Ltd., 937 Post St., San Francisco 9, Calif.
Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill. "Burd Graf-Flox."
Cord Piston Ring Mfg. Co., 1351 S. Olive St., Los Angeles 15, Calif.
Double Seal Ring Co., 2065 Montgomery St., Ft. Worth, Tex.
Gill Piston Ring Co., 6900 Cottage Grove Ave., Chicago 37, Ill.
Grant & Grant Co., 241 N. Westmoreland Ave., Los Angeles 4, Calif.
Haling Co., 1061 First Ave., Rochester, Minn.
Hangliter Mfg. Co., 983 S. Raymond Ave., Pasadena, Calif. "Hanco."
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich. "Steel-Vent."
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hico."
Luthy Co., F. A., 302 Cooper St., Jackson, Mich.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. "Leak Proof."
Moog Piston Ring Co., Div. of Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo.
Muskegon Piston Ring Co., Muskegon Div., Sixth & Alpha Sts., Muskegon, Mich.
Pacific Piston Ring Co., 1410 S. Los Angeles St., Los Angeles 15, Calif.
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind.
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo. "Ramco."
Richmond Ring Co., Souderton, Pa.
Roberts Mfg. Co., 118 Monroe St., St. Charles, Mo.
Royal Piston Ring Co., Bath, N. Y. "Ascot." "Everyday," "Ever Step," "Maidrite," "Royal."
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Steel-Bronze Sealing Rings Co., 540 S. Meridian St., Indianapolis 25, Ind. "Non-Breakable." (Steel or bronze.)
Superior Piston Ring Co., 6425 Epworth Blvd., Detroit 10, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. "Diatrol," "Toledo First-Line."
Valv-Lite Piston Ring Co., Sheperd St., Toledo 1, Ohio. "Valv-Tite." "Fit-Well," "RX," "Universal," "Layr-Bilt," "Royal Crown."
Wausau Motors Parts Co., 1003 Harrison Blvd., Wausau, Wis. "Oilsavr," "Super Port Oil," "HT-100."
Wel-Ever Piston Ring Co., 1701 Speilbusch Ave., Toledo 1, Ohio. "Bevl Chanl," "Flexo," "Super Flexo," "Speed," "Dran-Bac," "Multi-Comp," "Aroloy," "Welco," "Dual Compression," "Twin-Rail," "Aro Cast," "E. C. Slot," "Fast Flow," "Free Drain," "Flexo-Steel," "High Test Comp," "Improved Aroloy," "BC Flexo," "Welco-X."
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

RINGS, Piston Expanders, See Expanders, Piston, Ring

RIVETERS

Bunell Machine & Tool Co., 1601 E. 23rd St., Cleveland 14, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "Boyer." (Portable pneumatic.)
Chicago Rivet & Machine Co., 9603 W. Jackson Blvd., Bellwood, Ill. (Chicago Suburb.)
Engineering & Research Corp., P. O. Box 209, Hyattsville, Md. "Erco."
Ferracute Machine Co., 429 E. Commerce St., Bridgeton, N. J.
Grant Mfg. & Machine Co., 90 Sillman Ave., Bridgeport 5, Conn.
Hanna Engineering Works, 1765 Elston Ave., Chicago 22, Ill. (Pneumatic and hydraulic.)
Hannifin Corp., 1101 S. Kilbourn Ave., Chicago 24, Ill. "Hy-Power." (Hydraulic.)
High Speed Hammer Co., 313 Norton St., Rochester 5, N. Y.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill. "Thor." (Portable pneumatic.)
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Lempco Products, Inc., 5727 Dunham Rd., Bedford, Ohio.
Milford Rivet & Machines Co., Post Rd., Milford, Conn.
National Rivet & Mfg. Co., Waupun, Wis.
Power Brake Parts Mfg. Co., 8060 Wheeler Ave., Detroit 10, Mich. (Portable pneumatic.)
Tomkins-Johnson Co., 617 N. Mechanic St., Jackson, Mich. "Rivitor."

RIVETS, Blind

Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio. "Lok-Skru," "Lok-Rivet."
du Pont de Nemours & Co., E. I., Explosives Dept., Wilmington 98, Del. (Explosive type.)
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. "Rivnut."
Huck Mfg. Co., 2480 Bellevue Ave., Detroit 7, Mich. (Aluminum and steel.)
South Chester Corp., 1418 South Penn Square, Philadelphia 2, Pa. "Southco."
Townsend Co., New Brighton, Pa.

RIVETS, Brake and Clutch Relining

(Covering Advertisers Only)

Chicago Rivet & Machine Co., 9603 W. Jackson Blvd., Bellwood, Ill. (Chicago Suburb.)

RODS, CONNECTING, See Connecting Rods

RODS, Welding

Acme Electric Welder Co., 2618 Fruitland Ave., Los Angeles 58, Calif. "Acmeloy," "Hardaloy," "Stainaloy," "Superloy."
Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Alloy Rods Co., W. Market St., York, Pa. "Acaloy," "Bronze-Arc," "Nickel-Arc," "Tool-Arc," "Wear-Arc," "Weld-Arc."
All-State Welding Alloys Co., 249 Ferris Ave., White Plains, N. Y. "All-State," "Keenweld," & "Monowelds."
Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa.
American Brass Co., 414 Meadow St., Waterbury 20, Conn. "Anaconda," "Tobin Bronze."
American Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio.
Ampco Metal, Inc., 1747 S. 38th St., Milwaukee 15, Wis. "Ampco-Trode."
Atlantic Steel Co., 16th & Mecaslin St., Atlanta, Ga.

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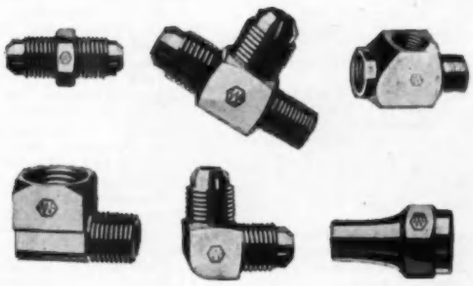

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RODS, Welding—*continued*

Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Chicago Hardware Foundry Co., 2500 Commonwealth Ave., North Chicago, Ill. "Fuse-Well," "Moly."
Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa. "Colweld."
Crucible Steel Co. of America, 535 Smithfield St., Pittsburgh, Pa.
Dockson Corp., 3839 Wabash Ave., Detroit 8, Mich.
Eutectic Welding Alloys Corp., 40-40 172nd St., Flushing, N. Y. "Cuttrode," "Eutec-Rod," "Eutectrodes," "Steeltetic."
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Harnischfeger Corp., 4400 W. National Ave., Milwaukee, Wis. "P. & H."
Haynes Stellite Co. (a div. of Union Carbide & Carbon Corp.), 725 S. Lindsay St., Kokomo, Ind. (Hard facing.)
Hobart Bros. Co., Canal Locks Square, Troy 1, Ohio.
International Nickel Co., 67 Wall St., New York 5, N. Y. "Ni-Rod."
K-W Ignition Corp., 1767 E. 27th St., Cleveland, Ohio. (Tungsten.)
Krembs & Co., 669 W. Ohio St., Chicago 10, Ill. "Kop-R-Arc."
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio. "Stable-Arc," "Stainweld A," "Lightweld," "Manganweld," "Aluminweld," "Fleetweld," "Hardweld," "Ferroweld," "Toolweld," "Abrasoweld," "Chromweld," "Aerisweld," "Wearweld," "Softweld," "Faceweld," "Surfaceweld," "Shield-Arc," "Planeweld."
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld." ("Unionwelt" coiled.)
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa. "McKay Rod."
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind. "Elkaloy" & "Fluted Electrode." (Resistance.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Metal & Thermit Corp., 100 E. 42nd St., New York 17, N. Y. "Murex."
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich.
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG" & "Sureweld."
Page Steel & Wire Div. of American Chain & Cable Co., Monessen, Pa.
Revere Copper and Brass, Inc., 230 Park Ave., N. Y. 17, N. Y. (Copper, brass and bronze.)
Sight Feed Generator Co., West Alexandria, Ohio. "Rexarc."
Smith Corp., A. A., 27th & Hopkins Sts., Milwaukee 1, Wis.
Speer Carbon Co., St. Marys, Pa. "A C Weld" & "Hold-Ark."
Wall Colmonoy Corp., 19345 John R St., Detroit 3, Mich.
Welding Equipment & Supply Co., 223 Leib St., Detroit 7, Mich. "Eureka." (Tool steel; alloy.)
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.

ROTORS, DISTRIBUTOR, See Parts, Magneto, Coil and Distributor

RUB-RAILS, PRESSED STEEL, See Rails, Rub (Pressed Steel)

RUST PREVENTATIVES

Aldridge Industrial Oils, Inc., 3401 W. 140th St., Cleveland 11, Ohio. "Kelcote."
Allied Research Products, Inc., 4004 E. Monument St., Baltimore 5, Md. "Iridite."
Alox Corp., 70 Pine St., New York 5, N. Y.
American Chemical Paint Co., Brookside Ave. & Reading R.R., Ambler, Pa. "Deoxidine," "Deoxylyte," "Peroline," "Spray-Granodine," "Thermoil-Granodine," "Duridine" for ferrous metal.
American Rust Proof Co., 8 W. 40th St., New York, N. Y. "Vatu."
Anderson Oil Co., F. E., Quarry Lane, Portland, Conn. "Winsor."
Angier Corp., 50 Fountain St., Framingham, Mass. "Angier VPI."
Automotive Rubber Co., 8601 Epworth Blvd., Detroit 4, Mich. "Arco."
Ball Chemical Co., Empire Bldg., Pittsburgh 22, Pa.
Barr & Co., W. M., 2336 S. Lauderdale St., Memphis 6, Tenn. "Barco."
Bishman Mfg. Co., Osseo, Minn. "E-Z Off."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Bradford Oil Co., Boston Rd., Palmer, Mass. "Cedaroleum." (Preventing.)
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite."
Bruce Products Corp., Howell, Mich. "Nonrust."
Buchanan Chemical Co., C. G., 4640 Baker Rd., Cincinnati 12, Ohio. "Bu-Co."
Cabot, Inc., Samuel, 141 Milk St., Boston 9, Mass. "Tasgon."
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Nutbuster."
Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."
Celco Corp., 110 E. 42nd St., New York 17, N. Y.
Champion Products, Inc., P. O. Box 291, Stephenville, Tex.
Chicago Hydraulic Oil Co., 371 E. 116th St., Chicago 28, Ill. "Pennytrol."
Cities Service Oil Co. (Pa.), 60 Wall Tower, New York 25, N. Y. "Anti-Corrode."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Crystal Soap & Chemical Co., 6300 State Rd., Philadelphia 35, Pa.
Cycleweld Cement Products Plant Div. of Chrysler Corp., 5437 W. Jefferson Ave., Trenton, Mich.
Dearborn Chemical Co., Merchandize Mart Plaza, Chicago 54, Ill. "No-Ox-ID."
Dennis Chemical Co., 2701 Papin St., St. Louis 3, Mo. "Red-Skin."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio.
Edward Sales Co., 36 Bowne St., Flushing, N. Y. (Removing.)
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Freedom-Valvoline Oil Co., Third Ave. & Sixth St., Freedom, Pa.
Gliston Co., 13 Bernard St., Hillsdale, Mich.
Grapho Products, Inc., P. O. Box 300, Lawrence, Ind. "Pen-A-Trate."
Gulf Oil Corp. (Gulf Refining Co.), Gulf Bldg., Pittsburgh 30, Pa.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Cosmoline," "Rus-Veto." (Preventing.)
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industro," "So Klean."
Kano Laboratories, 75 E. Wacker Drive., Chicago 1, Ill. "Kano Mirroil."
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Lee Polish Mfg. Co., 1399 Utica Ave., Brooklyn 3, N. Y.
Liquid Veneer Corp., Urban & Kehr Sts., Buffalo 11, N. Y. "Rust-Kill."
Lion Oil Co., Lion Oil Bldg., El Dorado, Ark. "Nokorode."
Lubaid Co., 155 E. Kilbourn St., Milwaukee 1, Wis. "Rench Aid." (For loosening rusty nuts, bolts, cylinder heads, etc.)
Mergraf Oil Products Co., P. O. Box 95, Northville, Mich. "Merseal."
Mitchell-Bradford Chemical Co., 2446 Main St., Stratford, Conn. "Silco," "Witch-Dip," "Witch-Oil."
Neilson Chemical Co., 6564 Benson St., Detroit 7, Mich. "Metalprep," "Rust Preev."
Nox-Rust Chemical Corp., 2429 S. Halstead St., Chicago 8, Ill.
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Parker Rust Proof Co., 2177 E. Milwaukee Ave., Detroit 11, Mich. "Bonderite," "Parco."
Pennsylvania Refining Co., 2686 Lisbon Rd., Cleveland 4, Ohio.
Permatex Co., 1720 Ave. Y, Brooklyn 35, N. Y.
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y.
Philadelphia Quartz Co., 1146 Public Ledger Bldg., Sixth & Chestnut Sts., Philadelphia 6, Pa. "Rusticon." (Preventing.)
Radiator Specialty Co., 1700 Dowd Rd., Charlotte 1, N. C. "Liquid Wrench." (For removing frozen joints, nuts, cylinder heads, tail pipes and mufflers.)
Regal Air Corp., 318 W. 39th St., New York 18, N. Y. "Re Glo."
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa. "Penetro 1000."
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul Dexoide."
Rusticide Products Co., 3125 Perkins Ave., Cleveland, Ohio. "Rust-I-Cide."
Rust-Oleum Corp., 2425 Oakton St., Evanston, Ill.
Shell Oil Co., 50 W 50th St., New York 20, N. Y. "Ensis."
Socony-Vacuum Corp., 26 Broadway, New York 4, N. Y. "Mobilcote," "Mobil Rustproofer."
Sonneborn Sons, Inc., L., Amalie Div., 300 Fourth Ave., New York 10, N. Y. "Amalie."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio. "Rustrem."
Standard Oil Co. (Indiana), 910 S. Michigan Ave., Chicago 80, Ill. "Stanorust."
Stay-Tite Products Co., 3107 Detroit Ave., Cleveland, Ohio. "Rustgo."
Steelcote Mfg. Co., 8418 Gratiot Ave., St. Louis 3, Mo.
Supersite Corp., 384 Canal Pl., New York 51, N. Y.
United Chronium, Inc., 100 E. 42nd St., New York 17, N. Y. "Unichrome."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis. "Super-Kwick." (For removing rusty exhaust systems.)
Warehouse Distributors Co., 3810 N. 19th St., Phila. 40, Pa. "Sure-Rite." (Rust solvent for aluminum cylinder heads, etc.)
Wayne Chemical Products Co., Copeland Ave. & M. C. R. R., Detroit, Mich. "Protex."
Whiting Leather & Belting Co., 9 Murray St., New York 7, N. Y. "Whiting Rustvoid," "Whiting Rust Cutter."
Wilbur & Williams Co., 130 Lincoln St., Brighton, Mass. "Totrust" & "W & W."
Witco Chemical Co., 75 E. Wacker Drive, Chicago 1, Ill.
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis. "Tri-Flux."
Zaco Laboratories, 1360 W. 9th St., Cleveland 13, Ohio.

RUST PREVENTATIVES, Cooling System

Allube Corp., 928 Allen Ave., Glendale 1, Calif. "Ferr-O-Ban."
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite Rust-Stop."
American Sand-Banum Co., 9 Rockefeller Plaza, New York 20, N. Y. "Sand-Banum." (Colloidal tablets.)
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Butler Eng. Co., 2610 Russeau St., New Orleans 11, La. (Butler De-Scaler.)
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Rustbuster."
Champion Products, Inc., P. O. Box 291, Stephenville, Tex.
Chicago Hydraulic Oil Co., 371 E. 116th St., Chicago 28, Ill. "Rustgon."
Commercial Solvents Corp., 17 E. 42nd St., New York 17, N. Y. "Nor'Way Anti-Rust."
Drew & Co., E. F., 15 E. 26th St., New York, N. Y. "Ameroid."
du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, du Pont Bldg., Wilmington 98, Del. "No. 7."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Hollingshead Corp., R. M. 840 Cooper St., Camden, N. J. "Whiz."
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Corapolis, Pa. "Hypressure Jenny."
Hood Refining Co., 305 S. Pennsylvania Ave., Greensburg, Pa.
Kelite Products, Inc., Box 2917 Terminal Annex, Los Angeles 54, Calif.
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Mirrorlike Mfg. Co., 36th St. & Queens Blvd., Long Island City, N. Y.
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K Rustrite."
National Aluminate Corp., 6216 W. 66th Place, Chicago 38, Ill. "Nalco."
National Carbon Co., 30 E. 42nd St., New York 17, N. Y. "Rustone."
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Permo Products Co., 1629 Platte St., Denver 2, Colo.
Radiator Seal Co., 120 Stutsman St., Council Bluffs, Iowa. "R-C."

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YORK, PENNSYLVANIA

Body Division

RUST PREVENTATIVES—*continued*

Radiator Specialty Co., 1700 Dowd Rd., Charlotte 1, N. C. "Auti-Rust."
Rust Master Chemical Co., 50 Creighton St., Boston, Mass.
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Rusgo."
Sinclair Refining Co., 600 Fifth Ave., New York, N. Y.
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Hydrotone."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio. "Rad-Glo."
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa. "Sunoco."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turoc Radox."
U. S. Chemical & Supply Co., 918 E. 5th St., Kansas City 6, Mo. "Z-4."
V-O Mfg. Co., 13245 Sherman Way, Hollywood, Calif.
Warehouse Distributors Co., 2731 N. 6th St., Phila. 33, Pa. "Sure-Rite."
Warner-Patterson Co., 920 S. Michigan Ave., Chicago 5, Ill.
Water Treatment Co. of America, 1159 Hodgkiss St., Pittsburgh 12, Pa.
Watts-Wagner Co., 123 W. 64th St., New York 23, N. Y. "Rust-Ex."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
"X" Laboratories, Inc., 25 W. 45th St., New York 19, N. Y.
Zecol, Inc., 155 E. Kilbourn Ave., Milwaukee 1, Wis.

SAND (for Traction Sanders)

Keystone Granite Quarry, Old Zionsville, Pa.

SANDERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Aro Equipment Corp., Bryan, Ohio.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44 St., New York, N. Y. "Hicycle & Supercycle."
Clarke Sanding Machine Co., 30 E. Clay Ave., Muskegon, Mich.
Cummins Portable Tools, Div. Cummins Chicago Corp., 4740 W. Ravenswood Ave., Chicago 40, Ill.
Detroit Surfacing Machine Co., 1333 E. Eight Mile Rd., Detroit 20, Mich. "Easy." (Reciprocating.)
Dremel Mfg. Co., 2420 18th St., Racine, Wis. "Motor-Sander."
Jones Motrola Corp., 132 Fairfield Ave., Stamford, Conn.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis.
National Air Sander, Inc., 2810 Auburn St., Rockford, Ill.
Nedco Co., 88 Rumford Ave., Waltham, Mass.
Portable Elect. Tools, Inc., 320 W. 83rd St., Chicago 20, Ill.
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilSander." (Belt and disc.)
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn.
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Sundstrand Machine Tool Co., Pneumatic Div., Rockford, Ill.
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool, Div. of Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio. "U. S."

SANDERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP," "Hicycle" & "Supercycle."
Cleco Div. of Reel Roller Bit Co., 5125 Clinton Dr., Houston 1, Tex.
Detroit Surfacing Machine Co., 1333 E. Eight Mile Rd., Detroit 20, Mich. "Easy." (Reciprocating.)
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power."
National Air Sander, Inc., 2810 Auburn St., Rockford, Ill. "Mity-Midget."
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y. "Speedmatic Speed-Bloc."
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.

SANDERS, Road

Anderson Machine and Tool Works, Inc., Chaska, Minn.
Highway Safety Appliances, Inc., 1381 Marshall Ave., St. Paul 4, Minn. "Elston." (Electric for truck and bus.)
Lintern Corp., P. O. Box 428, Painesville, Ohio. "Lintern." (Sole distributors, Lintern-Jolene Sales Corp., P. O. Box 428, Painesville, Ohio; Air, electric and vacuum operated, for trucks and buses.) "Clysan."

SANDPAPER

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Behr-Manning Corp., Troy, N. Y. "Adalox," "Durite," "Metalite," "Speed-Wet Durite."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. "Aloxite."
Clover Mfg. Co., Norwalk, Conn.
Mid-West Abrasive Co., 510 S. Washington St., Owosso, Mich.
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn. "Three-M-Ite," "Wetordry Tri-Mite."

SAWS, Circular

Beach Mfg. Co., Mill & High Sts., Montrose, Pa.
Beebe Bros., 2724 Sixth Ave., S. Seattle 4, Wash. "BB Speed-Cut," "Little Cut-Up." Jig, for brake lining cutting.)
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Clemson Bros., 22 Cottage St., Middletown, N. Y. "Star."
Colleday Machine Works, 125 E. Luray St., Philadelphia 20, Pa.
Crowningshield, F. K., 71 Swamp Rd., Greenfield, Mass.
Delta Power Tool, Div. Rockwell Mfg. Co., 600 E. Vienna Ave., Milwaukee, Wis.
De Walt, Inc., Fountain Ave., Lancaster, Pa.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill. "Do All Zephyr." (Contour.)
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Famco Machine Co., 3100 Sheridan Rd., Kenosha, Wis.
Greenlee Bros. & Co., 2100 12th St., Rockford, Ill.
Grob Bros., Crafton, Wis. (Die.)
Hermance Machine Co., 178 Campbell St., Williamsport 19, Pa.
Jones Superior Machine Co., 1258 W. North Ave., Chicago, Ill.
Laidlaw, Inc., Wm., 7 Greenwich St., Belmont, N. Y.
Moak Machine & Tool Co., 2547 Connor St., Port Huron, Mich.
Porter Machinery Co., C. O., 666 Front Ave., N. W., Grand Rapids, Mich.
Ryerson & Son, Inc., Jos. T. 16th & Rockwell Sts., Chicago, Ill.; also 1600 E. Euclid Ave., Detroit, Mich.
Tannewitz Works, 315 Front Ave., N. W., Grand Rapids 4, Mich.
Walker-Turner Div., Kearney & Trecker Corp., 639 South Ave., Plainfield, N. J.
Wallace & Co., J. D., 134 S. California Ave., Chicago, Ill.
Wells Mfg. Corp., E. on Highway M-60, Three Rivers, Mich.
Yates-American Machine Co., Beloit, Wis.

SAWS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Cummins Portable Tools, Div. Cummins Chicago Corp., 4740 W. Ravenswood Ave., Chicago 40, Ill.
Dremel Mfg. C., 2420 18th St., Racine, Wis. "Moto-Saw."
Forsberg Mfg. Co., 125 Sea View Ave., Bridgeport, Conn. "Whiz-Saw."
Kett Tool Co., 5 E. Third St., Cincinnati 2, Ohio.
Lipe-Rollway Corp., 806 Emerson Ave., Syracuse 4, N. Y. "Hand-I-Hack." (Hack.)
Louisville Electric Mfg. Co., 3008 Magazine St., Louisville, Ky. "Pioneer." (Hack.)
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Mid-States Welder Mfg. Co., 6025 S. Ashland Ave., Chicago 36, Ill. "Mid-State Saw-Gun." (Attachment, for sawing or filing.)
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 N. State St., Milwaukee 8, Wis.
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Saw."
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa. (Attachment, for sawing and filing.)
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn.
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Tipp Mfg. Co., 4th & Franklin Sts., Tipp City, Ohio.
Wyzenbeek & Staff, Inc., 223 N. California Ave., Chicago 12, Ill. "Wyco." (Attachments for sawing or filing.)

SAWS, Portable Pneumatic

Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

SAWS, Power Hack

Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich. "Excel."
Maquoketa Co., Clark & Maple Sts., Clinton, Iowa. "Sawmore."
Peerless Machine Co., 1600 Junction Ave., Racine, Wis.
Racine Hydraulics & Machinery, Inc., 2000 Albert St., Racine, Wis.
Ryerson & Son, Inc., Jos. T., 16th & Rockwell Sts., Chicago, Ill.; also 1600 E. Euclid Ave., Detroit, Mich.
St. Louis Tool Co., 6100 Prescott St., St. Louis 15, Mo. "S-L."

SCALES, Truck Load Indicating

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Loadometer."

SCALES, Weighing (Dial Type)

Chatillon & Sons, John, 85-93 Cliff St., New York 38, N. Y.
Detecto Scales, Inc., Div. Jacobs Bros. Co., 540 Park Ave., Brooklyn, N. Y. "Detecto-Gram."
Dillon & Co., W. C., 14620 Keswick St., Van Nuys, Calif.
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Howe Scale Co., 3 Scale Ave., Rutland, Vt.
Toledo Scale Co., Telegraph Rd., Toledo 1, Ohio.

SCALES, Weighing (Platform Type)

Bonded Scale Co., 33 Kingston St., Columbus, Ohio.
Buffalo Scale Co., 46 Letchworth St., Buffalo 13, N. Y.
Chatillon & Sons, John, 85-93 Cliff St., New York 38, N. Y.
Detecto Scales, Inc., Div. Jacobs Bros. Co., 540 Park Ave., Brooklyn, N. Y.
Exact Weight Scale Co., 944 W. Fifth Ave., Columbus 8, Ohio.
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.

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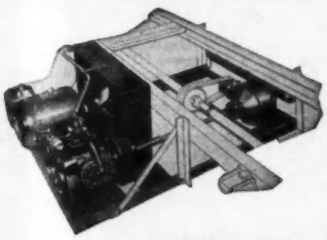

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SCALES, Weighing—*continued*

Howe Scale Co., 3 Scale Ave., Rutland, Vt.
Toledo Scale Co., Telegraph Rd., Toledo 1, Ohio.

SCRAPERS, Bearing

Anderson Bros. Mfg. Co., 1907 Kishwaukee St., Rockford, Ill.
Cornwell Quality Tools Co., Mogadore, Ohio.
Millers Falls Co., Greenfield, Mass.
Osborne & Co., C. S., Jersey & Second Sts., Harrison, N. J.

SCRAPERS, Carbon

Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich.
Atmars-Mechanico 3651 Lakeshore Ave., Oakland 10, Calif. "Katz-Claw."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Osborne & Co., C. S., Jersey & Second Sts., Harrison, N. J.
P & C Hand Forged Tool Co., Box 5926 Milwaukie, Ore.
Proto Tools, 2209 Sante Fe Ave., Los Angeles 54, Calif. "Proto."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.

SCREENS, Silk Printing (For Trucks)

Fowler Co., H. B., 250 Conestoga Rd., Wayne, Pa.

SCREW DRIVERS (Portable Electric)

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York N. Y. "Hicycle."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill. "Thor."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis.
Skilsaw, Inc., 5033 Elston Ave., Chicago 30, Ill. "Ski Drivers."
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.

SCREW DRIVERS (Portable Pneumatic)

Aro Equipment Co., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y.
Cleco Div. of Reed Roller Bit Co., 5125 Clinton Drive, Houston 1, Texas.
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill. "Thor."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power."
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Driver."

SEALERS for Casting Repairs, See Cement, Cast Iron

SEALS, Oil & Grease, See Retainers, Oil and Grease

SEATS, Bus

American Seating Co., 9th St. & Broadway, Grand Rapids, Mich. "Amseco," "Bodiform," "American-Karpen." (Reclining.)
American Wicker Works Co., 1312 Harmon Pl., Minneapolis 3, Minn.
Amesbury Seat Mfg. Co., 200 S. River St., Ypsilanti, Mich.
General Seating Co., 220 Main St., Topton, Pa.
Ionia Mfg. Co., Div. of Mitchell-Bentley Corp., 121 S. Dexter St., Ionia, Mich.
National Seating Co., 167 Park Ave. E., Mansfield, Ohio.
Perma Products Co., 7001 Morgan Ave., Cleveland 4, Ohio.
Troy Sunshade Co., Troy, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

SEATS, Truck

(See also Cushions, Seat)

American Seating Co., 9th St. & Broadway, Grand Rapids, Mich. "Tilt-A-Way."
American Wicker Works Co., 1312 Harmon Pl., Minneapolis 3, Minn.
Bostrom Mfg. Co., 133 W. Oregon St., Milwaukee 4, Wis. (Spring suspension.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Comfort Cushion Co., 5062 Loraine Ave., Detroit 8, Mich.
Detroit Harvester Co., Motor State Products Div., 103 S. River St., Ypsilanti, Mich. (Spring.)
General Seating Co., 220 Main St., Topton, Pa.
Ionia Mfg. Co., Div. of Mitchell-Bentley Corp., 121 S. Dexter St., Ionia, Mich.
Milsco Mfg. Co., 2738 N. 33rd St., Milwaukee 45, Wis.
Milsco Mfg. Co., 2758 N. 33rd St., Milwaukee, Wis. (Foam rubber.)
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. (Spring suspension.)
National Seating Co., 167 Park Ave., E., Mansfield, Ohio.
Perma Products Co., 5455 Broadway, Cleveland 27, Ohio.
Pneumatic Seat Co., 841 Washington Ave., Rochester 17, N. Y.
Troy Sunshade Co., Troy, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

SEATS, Valve

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Claire Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monocrome.")
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Eaton Mfg. Co., Saginaw Div., 9771 French Rd., Detroit, Mich.
Haynes Stellite Co. (a div. of Union Carbide & Carbon Corp.), 725 Lindsay St., Kokomo, Ind.
Hub City Iron Co., 218 First Ave., S. W., Aberdeen, S. D.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
Lee Co., K. O., Congress at First Ave., S. E. Aberdeen, S. D. "Knock Out."
Parts Processing Corp., 1499 E. Michigan Ave., Battle Creek, Mich. "Par-Plus."
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.
Peterson Welding Laboratories, 1423 Virginia St., Kansas City 6, Mo. "P-B." (Screw-in type.)
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio. "Thompson Duraschrome."
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. "Chrom-O-Loy," "Toledo." (Cast Iron.)
Wausau Motor Parts Co., 1003 Harrison Blvd., Wausau, Wis. "Chieftain."
Wells, Inc., Martin, 5886 Compton Ave., Los Angeles 1, Calif.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

SHAFTS, Propeller

(Shaft only; for universal joints—see Universal Joints)

Almetal Universal Joint Co., 1553 E. 55th St., Cleveland 3, Ohio.
Blood Brothers Machine Co., Div. Standard Steel Spring Co., Allegan, Mich. (For trucks.)
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dittmer Gear & Mfg. Corp., 193 Grand St., Lockport, N. Y.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive Inc., 2953 E. 55th St., Cleveland 4, Ohio.)
Mechanics Universal Joint Div., Borg-Warner Corp., 2020 Harrison Ave., Rockford, Ill.
Morse Chain Co., 7601 Central Ave., Detroit 10, Mich. "Morflex."
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Saginaw Steering Gear Div., General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich.
Spencer Mfg. Co., N. Main St., Spencer, Ohio.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio.
Steel and Tubes Div., Republic Steel Corp., 224 E. 121st Cleveland 8, Ohio.
U. S. Axle Co., Water St., Pottstown, Pa.
Universal Products Co., 6455 Kingsley Ave., Dearborn, Mich.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.
York Electric & Machine Co., Loucks Mill Rd., York, Pa. "Built-Well," "Forman." (Sole distributors, Foreman, Inc., 630 Loucks Mill Rd., York, Pa.)

SHAFTS, Transmission

Cleveland Hone & Mfg. Co., 8816 Harkness Rd., Cleveland 6, Ohio.

SHEARS, Portable Electric

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Jefferson Engrg. & Mfg. Co., 269 Walker St., Detroit 7, Mich.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilShear."
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn. "Stanley Unishear."

SHIMS, Axle Caster

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa. (Bronze.)
Jibo Tool Co., 139 N. Meade St., Wichita 2, Kan.
Kwik-Ezee, Inc., 17-23 W. 60th St., New York 23, N. Y.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Merrill Engrg. Laboratories, 1230 Lincoln St., Denver 3, Colo.
Morgan Wheel & Equipment Co., 2007 St. Mary's Ave., Omaha 2, Neb.
Perfect Equipment Corp., 804 W. Morgan St., Kokomo, Ind., "Excel."
Turner Mfg. Co., 404 W. Superior St., Kokomo 2, Ind. "D & T."

SHIMS, Brake Lining

Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Atlas Asbestos Co., North Wales, Pa.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Fibre.)
Colt's Mfg. Co., 17 Van Dyke Ave., Hartford 15 Conn. "Coltrock." (Molded.)
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
National Brake Block Corp., 79 Madison Ave., New York, N. Y. "Arco."
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.

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Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2. Mich. "R/M."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

SHIMS, Brass and Copper

Acme Mfg. & Gasket Co., 733 N. 41st St., Philadelphia 4, Pa.
Detroit Stamping Co., 357 Midland Ave., Detroit 3, Mich. "De-Sta-Co."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York, N. Y. (Brass.)
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Kickhaefer Mfg. Co., 901-903 S. Second St., Milwaukee 4, Wis.
Konigslow Mfg. Co., Otto, 3600 Perkins Ave., Cleveland, Ohio.
Laminated Shim Co., 62 Union St., Glenbrook, Conn.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
National Motor Bearing Co., Redwood City, Cal. (Brass.)
Rotax Mfg. Co., 24 Bathgate Place, Newark 7, N. J. (Brass stock.)
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. (Brass.)
Whitehead Stamping Co., 1661 W. Lafayette Blvd., Detroit 16, Mich.
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

SHIMS, Laminated

Blaisdell Mfg. Co., 1350 Coronado Ave., Long Beach 4, Calif. "Feathered." (Bearing.)
Federal-Mogul Corp., 11031 Sheomaker Rd., Detroit 13, Mich.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Laminated Shim Co., 62 Union St., Glenbrook, Conn. "Laminum," "Fit-All." (Brass and Steel.)
National Motor Bearing Co., Redwood City, Cal.
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

SHIMS, Steel

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo. (Rear axle end play.)
Detroit Stamping Co., 357 Midland Ave., Detroit 3, Mich. "De-Sta-Co."
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Konigslow Mfg. Co., Otto, 3600 Perkins Ave., Cleveland 14, Ohio.
Laminated Shim Co., 6208 Union St., Glenbrook, Conn.
National Motor Bearing Co., Redwood City, Cal.
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.

SHOCK ABSORBERS

Briggs Shock Absorber Co., 1523 E. 45th St., Cleveland 3, Ohio. (Friction hydraulic.)
Delco Products Div., General Motors Corp., 329 E. First St., Dayton, Ohio. (Hydraulic.)
Gabriel Co., 1523 45th St., Cleveland 3, Ohio. "Gabriel," "Cledraulic."
Heckethorn Mfg. & Supply Co., Littleton, Colo. "Columbus." (Licensees.)
Houdaille-Hershey Corp., Buffalo Div., 537 E. Delavan Ave., Buffalo 11, N. Y. "Houdaille." (Hydraulic.)
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. (Hydraulic.)
Rowland, Inc., William & Harvey, Frankford, Philadelphia 24, Pa. (Hydraulic.)
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio. (Hydraulic.)

SHOCK ABSORBER FLUID, See Fluid, Hyd. Brake & Shock Absorber

SHOES, Brake

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. (Lined.)
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Pick Mfg. Co., West Bend, Wis.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Triplewear, Inc., 533 40th St., Union City, N. J. "Triplebond."
Van Bergen & Greener, Inc., 1619 N. Hayne Ave., Chicago 47, Ill. "Van Line."

SHUTTERS, Radiator

(See also Covers, Radiator)

Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y. "Moto-Gard."
Cadillac Mfg. Co., 175 Race St., Coldwater, Mich.
Hardy Mfg. Corp., Broadway & Water Sts., Pendleton, Ind. "Winterfronts."
Kysor Heater Co., Haynes St., Cadillac, Mich.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis 8, Minn.

SIGNALS, Direction Indicating

Anthes Force Oiler Co., Ft. Madison, Iowa. (Truck.)
Arrow Safety Device Co., Mt. Holly, N. J. (Also flashing stop lights.)
Auto Lamp Mfg. Co., 2909 S. Indiana Ave., Chicago 16, Ill. "Pathfinder."
Bolser Corp., S. Main St., Cedar Falls, Iowa. (For trucks.)
Carlton Lamp Co., 736 S. 13th St., Newark 3, N. J.
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio.
Delbar Products, Inc., 74 Spruce St., Perkasie, Pa.
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y.
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Do-Ray Turn-Lite."
Edward's Air Hose Bracket Co., P. O. Box 860, Sapulpa, Okla.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. "Keystone."
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Griffin Lamp Co., 401 S. Third St., Hamiton, Ohio. "Premier XX."
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky. (Also combination stop, tail and license brackets.)
Guide Lamp Div. General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Industrial Scientific Co., P. O. Box 494, Fresno 9, Calif. "Indusco-Lite." (Semaphore type for trucks.)
K-D Lamp Co., 1910 Elm St., Cincinnati, 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Miro-Flex Co., 1824 E. 2 St., Wichita 7, Kan.
Parker Products, Inc., 1207 Harmon Pl., Minneapolis 3, Minn. "Parker Direct-A-Lite."
Rayl Mfg. Co., 1501 37th Ave., Oakland 1, Calif. (Semaphores.)
Ring-Wald Products, 123 N. Lowry Ave., Springfield, Ohio. (Stop semaphores, for school buses.)
S. & M. Lamp Co., 119 W. 36th Pl., Los Angeles 54, Calif.
Signal-Stat Corp., Signal-Stat Bldg., 523-39 Kent Rd., Brooklyn 11, N. Y. (Bus and truck.)
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Also stop lights and combination stop and tail and conversion kits.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
States Development & Mfg. Co., 11 W. Cullerton St., Chicago 16, Ill. (Automatic traffic lights.)
Trippe Mfg. Co., 609 W. Lake St., Chicago 6, Ill.
Turnsignal Corp., 400 E. Rittenhouse St., Philadelphia 44, Pa. (Truck.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer."
Vac-O-Lite Signal Co., 4680 Rubidoux Ave., Riverside, Calif. (Semaphores for trucks and trailers.)
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. "Yankee Jr." truck; "Turnmaster" auto; also conversion units for converting parking and tail lights into flashing signals.

SIGNALS, Gasoline Tank

Scully Signal Co., 88 First St., Cambridge, Mass. "Ventalarm."

SIGNALS, Low Air Pressure (Brakes)

Berg Safe-Air Corp., 18 E. Eighteenth St., Chicago 16, Ill.
Cole Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Hawk Tool & Engineering Co., 20 W. Washington St., Clarkston, Mich., "Pressure-Clix."
Monroe Standard, Inc., Galion, Ohio, "Wig-Wag." (Visual.)

SIGNALS, Low Brake Fluid

Arlington Industries, Inc., 79 Jefferson St., N. Y. 4, N. Y.
General Metal Products Corp., Moore-Eastwood Div., 171 S. Mulberry St., Wilmington, Ohio. "Eversafe."

SIGNALS, Low Water Temperature

(Protection against overheating)

Hawk Tool & Engineering Co., 20 W. Washington St., Clarkston, Mich. "Thermo-Clix." (Sole distributors, Nason Co., 20 W. Washington St., Clarkston, Mich.)
Kysor Heater Co., Haynes St., Cadillac, Mich. "Kysor Alarmstat."
Moto-Gard Co., 1104 W. Cabarrus St., Raleigh, N. C. (Also stops engine.)
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y. "Tellite."

SIRENS, Horn, See Horn Sirens

SIX WHEEL ATTACHMENTS, See Axle Units, Third, for Trucks

SLEEPER CABS, See Cabs, Truck Body

SLEEVES, Cylinder

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
American Hammered Automotive Replacement Division, 2001 Sanford St., Muskegon, Mich.
Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich. (Centrifugally cast.)
Centrifugal Foundry Co., 1367 W. Sherman Blvd., Muskegon, Mich.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Frank Foundries Corp., 2020 Third St., Moline, Ill. "Frankite."
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 20, Mo.
Luthy Co., F. A., 302 Cooper St., Jackson, Mich.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Nylen Products Co., Lake Shore Drive, St. Joseph, Mich.
Ohio Piston Co., 5340 Hamilton Ave., Cleveland 14, Ohio.
Shenango-Penn Mold Co., Dover, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. (Wet and dry assemblies.)
Versnick Mfg. Co., 4700 E. Nevada St., Detroit 34, Mich. (Dry type.)
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wisconsin Machinery & Mfg. Co., S. 60th St. & Beloit Rd., Milwaukee 14, Wis.

SLUDGE REMOVING COMPOUNDS, CRANKCASE, See Compounds, Crankcase Sludge Removing

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(See also Trucks, Diesel & Trucks, Gasoline)

Badger Machine Co., 1124 W. 5th St., Winona, Minn.
Baker Mfg. Co., 571 Stanford Ave., Springfield, Ill.
Bros., Wm., Boiler & Mfg. Co., 1057 10th Ave., S. E., Minneapolis 14, Minn. "Sno-Flyr."
Burch Corp., Thoman St., Crestline, Ohio.
Davenport-Besler Corp., 2305 Rockingham Rd., Davenport, Iowa. "Frink Sno-Plows." (Western United States.)
Donnell Hydraulic Co., Garden Prairie, Ill. (Hydraulic conversion unit.)
Four Wheel Drive Auto Company, E. 12th St., Clintonville, Wis. "FWD."
Frink Sno-Plows, Inc., Clayton, Thousand Islands, N. Y. (Eastern United States.)
Good Roads Machinery Corp., Minerva, Ohio.
Gravely Motor Plow & Cultivator Co., Dunbar, W. Va.
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio. "Hitco."
Klauer Mfg. Co., Dubuque, Iowa. "Snogo." (Rotary.)
National Lift Co., 225 Madison St., Waukesha, Wis. "Snowlift."
New England Road Machinery Co., 801 E. 6th St., Boston, Mass. "Nermco."
Northwestern Auto Parts Co., 834 N. 7th St., Minneapolis, Minn. "Napco." (For Willys Jeeps and light trucks.)
Root Spring Scraper Co., 527 W. North St., Kalamazoo 11, Mich.
Truck Engrg. Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat."
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, L. I., N. Y.
Wausau Iron Works, Wausau, Wis.

SOAPS, CAR WASHING, See Detergents

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Kester Solder Co., 4201 Wrightwood Ave., Chicago 39, Ill. (Acid-core, body, radiator flux core.)
Federated Metals Div., American Smelting & Refining Co., 120 Broadway, N. Y. 5, N. Y. (Bar, body, acid core, rosin core.)

SOLVENTS, Ice

Cristy Chemical Corp., 21 Putnam St., Worcester 4, Mass. (Ice preventing on windshield.)
Normandy Chemical Corp., 9th & Western, Muskegon, Mich. "Saif."

SOLVENTS, Oil, Carbon and Grease Removing

Aeroil Products Co., Wesley St. South, Hackensack, N. J. "Aeroil Auto-Solv."
Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Atomized Materials Co., 202 Arrott Bldg., Pittsburgh 22, Pa. "Kwik-Solv."
Barr & Co., W. M., 2336 S. Lauderdale St., Memphis 6, Tenn. "Barco."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive., South Bend 20, Ind. "Bendix Metalclean."
Blakeslee & Co., G. S., 1900 S. 52nd St., Cicero, Ill. "Blacosolv."
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich. "Klean Spot."
Bruce Products Corp., 500 N. West St., Howell, Mich.
Brulin & Co., Inc., 2939 Columbia Ave., Indianapolis, Ind.
Buchanan Chemical Co., C. G., 4640 Baker Rd., Cincinnati 12, Ohio. "Byr-Ma-Co."
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Sludgebuster."
Carbide & Carbon Chemicals Co. (a Div. of Union Carbide & Carbon Corp.), 30 E. 42nd St., New York 17, N. Y. "Cellosolve."
Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."
Cee-Bee Chemical Co., 9520 E. Ceebee Drive, Downey, Calif. "Samson."
Celco Corp., 110 E. 42nd St., N. Y. 17, N. Y. "Celco Tank-Kleen."
Champion Products, Inc., P. O. Box 291, Stephenville, Tex.
Circo Equipment Co., 120 Central Ave., Clark Township (Rahway), N. J. "Circosol," "Circo-Solv," "Dee-Solv," "Per-Solv" & "Midsolv."
Cities Service Oil Co. (Pa.), 60 Wall Tower, New York 5, N. Y. "Cisco," "Solvent 26A."
Clayton Mfg. Co., 401 N. Temple Bldg., El Monte, Calif. "Kerrick Kermulso."
Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa. "Cyclodiene," "Percyclodiene," "Dicyclodiene," "Tricyclodiene," "Polydiene," "Tetradiene," "Trisolvadiene."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Crystal Soap & Chemical Co., 6300 State Rd., Philadelphia 35, Pa.
Curran Corp., S. Canal St., Lawrence, Mass. "Gunk," "Motor Purge."
Currier Corp., 710-73rd Ave., Oakland 4, Calif. "Dee Tee."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa.
Delta Chemical Co., 682 S. Cox St., Memphis 1, Tenn.
Detrex Corp., Box 501, Detroit 32, Mich. "Drex-Foam," "Perm-A-Clor," "Triad."
Drew & Co., F. F., Automotive Chemicals Div., 15 E. 26th St., New York, N. Y. "Amerol," "Dusol."

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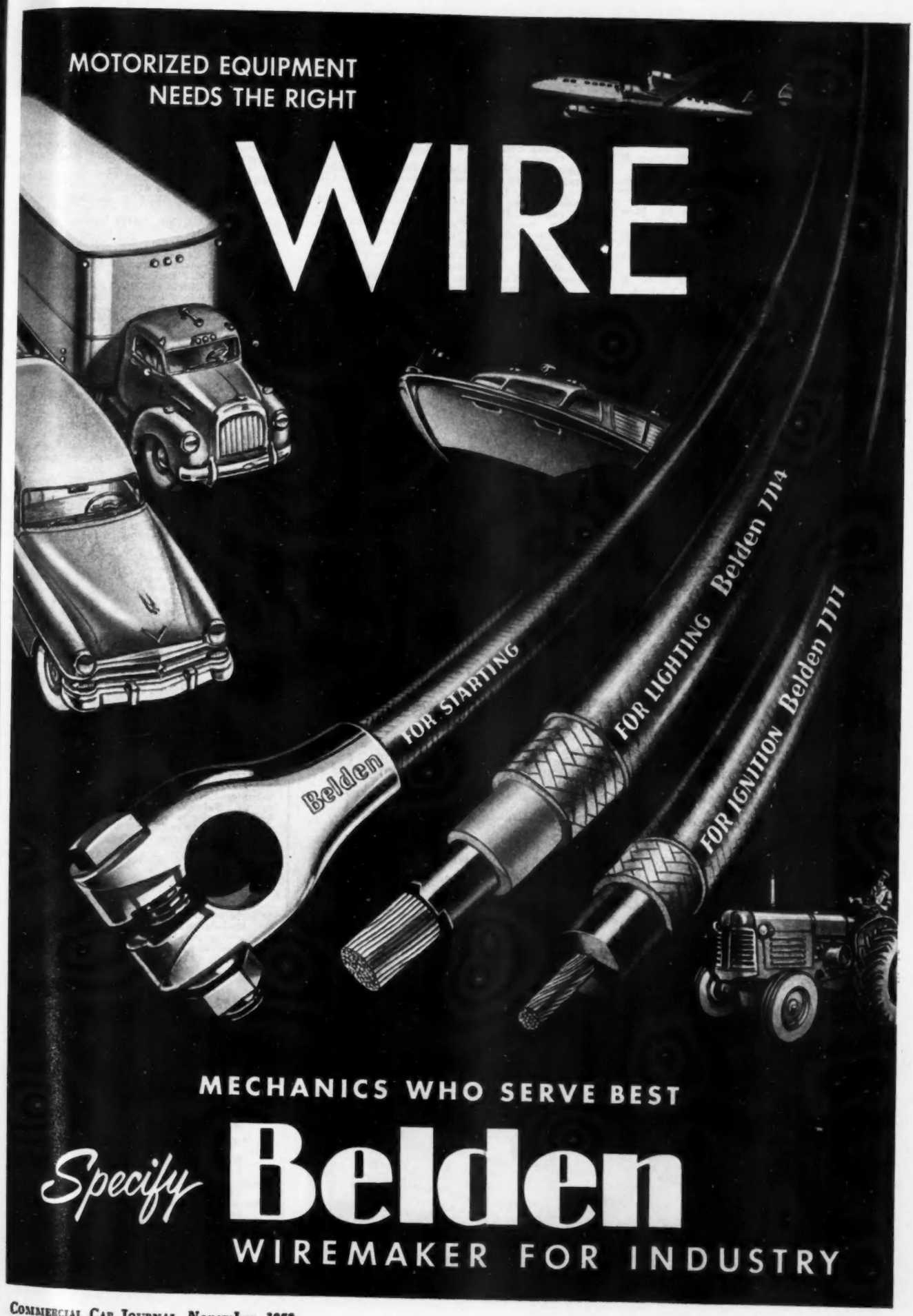
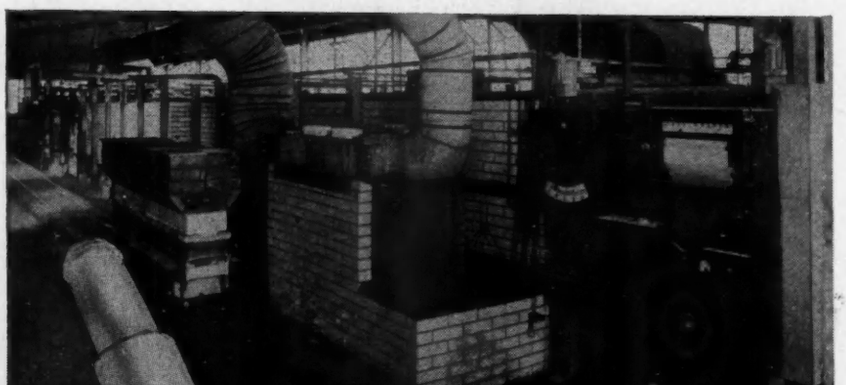


SOLVENTS—*continued*

Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Actusol," "Sprex."
du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del. "Perclene," "Triclene."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. "Solvesso," "Varsol."
Ewing Mfg. Co., 2545 N.W. 10th St., Oklahoma City, Okla.
Fine Organics, Inc., 211 E. 19 St., New York 3, N. Y. "F O."
Fisher Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "CAB-66," "No. 85," "Zolvolene."
Gerlach Co., A. E., P. O. Box 133, Eddington, Bucks County, Pa. "60 Cleaner," "Soax," "Jelzine."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Gray-Mills Corp., 3705 N. Lincoln Ave., Chicago 13, Ill.
Gunk Chicago Co., 3447 W. Madison St., Chicago 24, Ill.
Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."
Hollingshead Co., R. M., 840 Cooper St., Camden, N. J. "Whiz Dip-Zoff," "Whiz Ho-Zof." (For garage use.)
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Road, Coraopolis, Pa. "Hypressure Jenny."

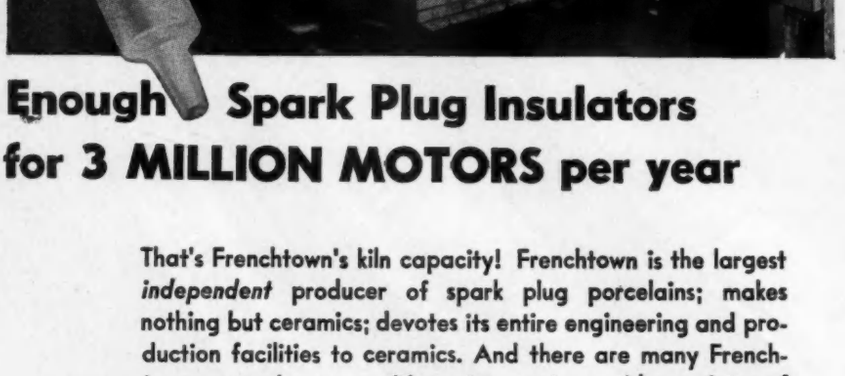


Enough Spark Plug Insulators for 3 MILLION MOTORS per year

That's Frenchtown's kiln capacity! Frenchtown is the largest *independent* producer of spark plug porcelains; makes nothing but ceramics; devotes its entire engineering and production facilities to ceramics. And there are many Frenchtown ceramic compositions to meet a wide variety of voltage requirements. If you want the best in porcelain performance, look to the spark plug manufacturers who use Frenchtown insulators.

FRENCHTOWN PORCELAIN CO.

82 Muirhead Avenue • Trenton 9, N. J.



Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industroscln."
Jarrett Co., Cecil H., W. 2nd St., Newton, N. C.
Kelite Products, Inc., Box 2917 Terminal Annex, Los Angeles 54, Calif.
Kleer-Flo Co., 250 W. 57th St., New York 19, N. Y.
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus," "Magnusol."
Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. "Imperial Wash-er Clean."
Mitchell-Bradford Chemical Co., 2446 Main St., Stratford, Conn. "Black Magic."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y. (Octastrip.)
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Penetone Co., 74 Hudson Ave., Tennafly, N. J. "Major."
Pennsylvania Refining Co., Gumont Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Penn Drake Gumont."
Pennsylvania Salt Mfg. Co., 1000 Widener Bldg., Philadelphia 7, Pa. "Pennsalt." "Pennsorb."
Permo Products Co., 1629 Platte St., Denver 2, Colo.
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Silco."
Philadelphia Quartz Co., 1146 Public Ledger Bldg., 6th & Chestnut Sts., Phila. 6, Pa. "Wetsco 66."
Phillips Mfg. Co., 3475 Toughy Ave., Chicago 45, Ill. "Phillsolv."
Pierce & Stevens, Inc., 710 Ohio St., Buffalo 3, N. Y. "P&S."
Quick Charge, Inc., 1750 N.E. Tenth St., Oklahoma City 4, Okla. "Quick-So."
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo.
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa.
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Solvo," "D-Grease."
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Stain-Ox Co., 625 E. First Ave., Roselle, N. J. (Oil and grease.)
Standard Oil Co. of Calif., 225 Bush St., San Francisco 20, Calif. "Calco."
Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles, Calif. "Turco Penetrol," "Turco Mulsine," "Turco Transpo," "Ferrex."
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 6, Mo. "Z-L."
Virginia-Carolina Chemical Corp., 401 E. Main St., Richmond, Va. "V-C Jet," "V-C Quick," "V-C Tuff" & "V-C Zip."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J.
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.

SPACERS, Wheel

Lambert, Inc., Ansonia, Ohio. (Dual.)
SPARK PLUG CLEANERS. See Cleaners, Spark Plug

SPARK PLUGS

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Auburn Spark Plug Co., York St., Auburn, N. Y.
B. G. Corp., 136 W. 52nd St., N. Y. 19, N. Y.
Blue Crown Spark Plug Co., Div. of Motor Master Products Corp., 1800 Winnemac Ave., Chicago 40, Ill. "X-Citer."
Bowers Battery & Spark Plug Co., Reading, Pa.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Champion Spark Plug Co., 904 Upton Ave., Toledo 1, Ohio.
Defiance Spark Plug Corp., 323 20th St., Toledo, Ohio.
Doering Mfg. Corp., A. L., 99 Seacrest Ave., Eltingville, S. I. 12, N. Y. "Aldor," "Doering."

SPARK PLUGS—*continued*

Doran, Inc., James A., 36 W. Exchange Pl., Providence 3, R. I.
Electric Auto-Lite Co., Spark Plug Div., Fostoria, Ohio.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Leonard Spark Plug Co., 148 Summit St., Newark 4, N. J. "Atomic-Flash" (Shielded.)
Loreman Automotive Products, Moore & Division Sts., Salisbury, Md.
Luthy Co., F. A., 302 Cooper St., Jackson, Mich. "Flint," "Luthy."
Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Majestic." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Reflex Products Co., 10904 Madison Ave., Cleveland 2, Ohio.
Stitt Ignition Co., 86 E. First Ave., Columbus 1, Ohio.
Thomas Automotive Products Mfg. Co., Rockford, Ill.
Trojan Products Co., N. Union St., Galion, Ohio. "Alvo," "Gold Bond," "Invader," "Power," "Trojan," "Gold Medal," "United," "National," "Karlife," "Motor King," "Pharis."
Tungsten Spark Plug Mfg., Tungsten Bldg., 1716 S. Michigan Ave., Chicago 16, Ill.

SPEEDOMETERS

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Electric Auto-Lite Co., Instrument Div., La-Crosse, Wis.
Jones-Motorola Corp., 432 Fairfield Ave., Stamford, Conn. (For fire engines, trucks, racing cars, etc.)
King-Seeley Corp., K-S Bldg., 315 S. First St., Ann Arbor, Mich. "K-S."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago, Ill. (Magnetic and electric.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "U. S. Tachograph." (Recording, for trucks.)
Waltham Watch Co., 221 Crescent St., Waltham 54, Mass.

SPEEDOMETER CABLES

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Hygrade Products Div., Standard Motor Products, Inc., 25-35 35th St., Long Island City, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Paragon Products Corp., 156 Astor St., Newark 5, N. J. "Vulcan."
Parts Mfg. Co., 311 W. 66 St., N. Y. 23, N. Y. "Parco."
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich.
Speedometer Service Co., 151 Forest St., Montclair, N. J. "S. S."
Stewart Mfg. Corp., F. W., 4311 Ravenswood Ave., Chicago, Ill. "Circle Ess."
Stewart-Warner Corp., 1826 Diversey Parkway, Chicago 14, Ill.
Wyzenbeek & Staff, Inc., 836 W. Hubbard St., Chicago 22, Ill. "Wyco."

SPLASH GUARDS, See Guards, Splash

SPOTLIGHTS, See Lamps, Fog, Head, Spot

SPRAY BOOTH, See Booths, Spraying

SPRAYERS, Molten Metal

Accurate Tool & Engineering Co., 640 Tenth Ave., San Diego 1, Calif. "Trobrand."
Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Metallizing Engineering Co., 33-14 30th St., Long Island City, N. Y. "Metco."

SPRAYERS, Paint, Varnish, Lacquer, and Accessories

American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y.
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Black Mfg. Co., 201 2nd St., Harrison, N. J. "Milburn," "Black Arrow."
Brown Corp., W. R., 5720 Armitage Ave., Chicago, Ill. "Marvel," "Speedy." (Also auto power.)
Campbell-Hausfeld Co., 211 Railroad Ave., Harrison, Ohio.
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, O.
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Wis. "Sprayit."
G. M. C. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
M & E Mfg. Co., 2571 Winthrop Ave., Indianapolis 6, Ind.
Macleod Co., 2232 Bogen St., Cincinnati 22, Ohio.
Master Mfg. Co., 811 W. Cabrini St., Chicago 7, Ill.

For Better Performance

Armor-Flex MOTOR MOUNTS for trucks

Defective Motor Mounts can cause a trucker all kinds of trouble—such as engine vibration, motor misalignment, difficult gear shifting and clutch chatter. Play it safe. Check Motor Mounts regularly. Replace when necessary, from the Armor-Flex complete line of truck Motor Mounts.

For Greater Comfort

Armor-Flex FLOOR MATS for trucks

Here are the qualities to look for in floor mats for trucks: They must lie flat — fit snugly in all corners and insulate cab against dust, heat, fumes and drafts. Armor-Flex Fitted Floor Mats are made of heavy rubber with thick insulating felt backing. They lie flat "over the hump."

For Greater Safety

Armor-Flex PEDAL PADS for trucks

Truckers watch every detail that spells safety. That's why the tread on pedal pads and accelerator pedals requires frequent check-ups. A smooth tread can be the cause of an expensive accident. Armor-Flex replacement pedal pads add an extra measure of safety.

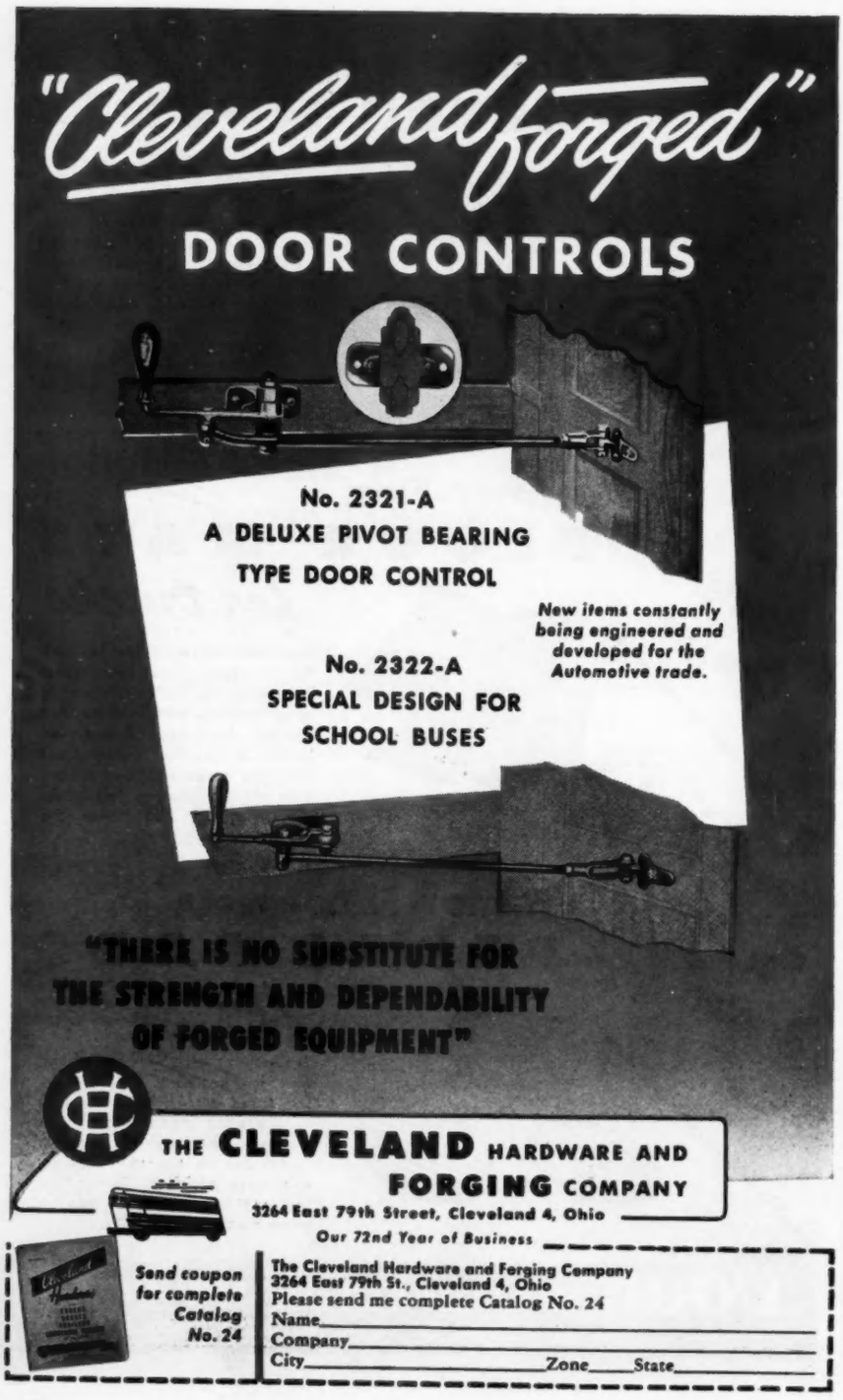
Doan MANUFACTURING CORP.
1761 LONDON ROAD • CLEVELAND 12, OHIO

SPRAYERS, Paint, Etc.—*continued*

Meiser & Co., G. H., 327 E. Marquette Rd., Chicago 37, Ill. "Enginair."
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Pioneer Air Compressor Co., 120 Chambers St., New York 7, N. Y.
Plumber Spray Equipment Co., 700 Fillmore St., Napoleon, Ohio. "Handigrip," "Plummer."
Portable Elec. Tools, Inc., 320 W. 83 St., Chicago 20, Ill.
Saylor-Beall Mfg. Co., St. Johns, Mich.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Calif.
Spray Engineering Co., 114 Central St., Somerville 45, Mass. "Spraco."
Stowe, Jr., George M., 277 Military Road, Buffalo 7, N. Y. "Multiblasters." (For rough painting only.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

SPRAYERS, Undercoating

American Brake Shoe Co., Kellogg Div., Rochester 9, N. Y. "Visco-Spray Guns."



SPREADERS, ROAD (Gravel, Salt, Sand). See Sanders, Road

SPRINGS, Helper

Automotive Aids Corp., 3526 W. Fort St., Detroit 16, Mich.
Bee-Line Co., P. O. Box 569, Davenport, Iowa.
Laher Spring & Tire Corp., 2615 Magnolia St., Oakland 7, Calif.
Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 8, Ill.
Prior Products Co., 4828 Racell St., Dallas, Texas.
Rowland, Inc., Wm. & Harvey, Lewis & Tacony Sts., Frankford, Philadelphia 24, Pa.
Service Spring Co., 701-735 St. Paul St., Indianapolis 6, Ind. "Service-Indianapolis."
St. Louis Spring Co., Div. Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo.
Trainor National Spring Co., New Castle, Ind.
Tuthill Spring Co., 760 W. Polk St., Chicago 7, Ill.
Vulcan Spring Co., 755 Lexington St., Chicago 7, Ill.

SPRINGS, Leaf

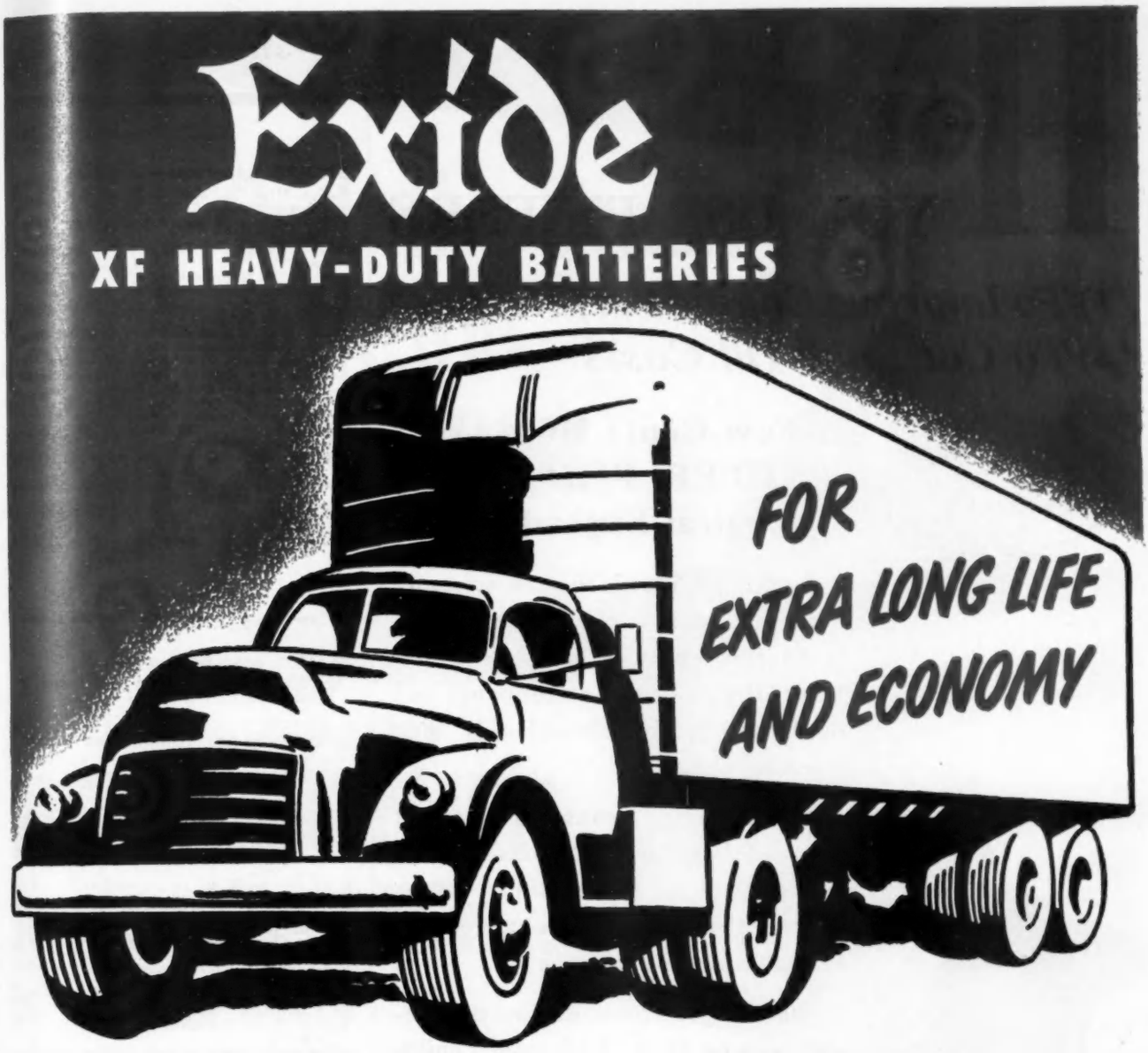
Benz Spring Co., 321 N. W. Ninth Ave., Portland 9, Ore.
Betts Spring Co., 868 Folsom St., San Francisco, Calif.
Burton Auto Spring Corp., 2433 W. 48th St., Chicago 32, Ill. (For cars, trucks, trailers and buses.)
Champ Spring Co., 2107 Chouteau Ave., St. Louis, Mo. "Champion."
Cincinnati Auto Spring Co., 311 Central Ave., Cincinnati 2, Ohio. "Casco." (For trucks and trailers.)
Detroit Steel Products Co., 2250 E. Grand Blvd., Detroit 11, Mich.
Eaton Mfg. Co., Spring Div., 9771 French Road, Detroit, Mich.
Iron City Spring Co., 2920 Smallman St., Pittsburgh, Pa.
Laher Spring & Tire Corp., 2615 Magnolia St., Oakland 7, Calif.
Liggett Spring & Axle Co., Monongahela, Pa. (Auto, truck and trailer.)
Maremont Automotive Products, Inc., S. Ashland at 16th St., Chicago, Ill. (Auto, truck, bus and trailer.)
Mather Spring Co., 939 Cove Blvd., Toledo 10, Ohio.
Rowland, Inc., William & Harvey, Lewis & Tacony Sts., Frankford, Philadelphia 24, Pa.
St. Louis Spring Co., Div. of Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo. "Moog."
Service Spring Co., 701-735 St. Paul St., Indianapolis 6, Ind. "Service-Indianapolis."
Standard Steel Spring Co., Coraopolis, Pa.
Trainor National Spring Co., Box 391, New Castle, Ind.
Triangle Auto Spring Corp., Maloney Rd. & B. & O. R. R., Dubois, Pa.
Tuthill Spring Co., 760 Polk St., Chicago 7, Ill.
United States Spring & Bumper Co., 4661 Alcoa Ave., Los Angeles 58, Calif.
Vail Spring Works, Inc., P. O. Box 4008, Broad Creek Sta., Norfolk, Va.
Vulcan Spring Co., 755 Lexington St., Chicago 7, Ill.

STANDS, Adjustable

Ajax Auto Parts Co., 1201 Michigan Blvd., Racine, Wis.
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich.
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Black Mfg. Co., 201 2nd St., Harrison, N. J. "Muff Gun."
DeVilbiss Co., 300 Phillips Ave., Toledo, Ohio.
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Ws.
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Hudson Mfg. Co., Railroad & Institute Sts., Conyers, Ga.
Lincoln Engrg. Co., 5701 National Bridge Ave., St. Louis 20, Mo.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover." (Air operated.)
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill.
Stowe, Jr., George M., 277 Military Road, Buffalo 7, N. Y.

Exide

XF HEAVY-DUTY BATTERIES



FOR GAS OR DIESEL TRUCKS

Unexcelled for power . . . unequalled in performance . . . unsurpassed for economy. The Exide XF heavy-duty battery is a dependable and rugged companion to have in any gas or diesel truck. Exide XF assures

LOWER COST PER BATTERY-MILE

OUTSTANDING FEATURES:

New grid alloy • New active material—G.O.X.
Lower gravity electrolyte • New dual insulation

WITH EXIDE XF BATTERIES YOU GET:

LONGER LIFE—longer than you ever thought possible.
HIGH STARTING POWER, plus dependable year-round performance.
RUGGED CONSTRUCTION for rough usage in hard service.
LOW COSTS of operation and maintenance.

Now, more than ever before . . .
EXIDE IS YOUR BEST BATTERY BUY . . . *AT ANY PRICE!*

1888 . . . DEPENDABLE BATTERIES FOR 65 YEARS . . . 1953

THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia 2 • *Exide Batteries of Canada, Limited, Toronto*
"EXIDE", *Reg. T.M. U.S. Pat. Off.*

IF YOU USE FILTERS

(1) *To Improve Engine Performance*
(2) *To Cut Lube Oil Costs*

A Few Cents More For a BETTER FILTER is a Logical Expenditure

A good oil filter is the one accessory that can do more to reduce engine maintenance costs, provide thousands of more miles of satisfactory performance and drastically reduce lube oil bills, than anything else.

A clean engine means less chance of gum and sludge accumulations,—means less mechanical overhauling,—means improved lubrication for longer engine life and fewer oil changes.

Selected on performance and competitive tests by America's foremost builders and designers of gasoline and Diesel engines and motorized equipment.—MICHIANA Filters do the job that a filter is designed to do. They are made with this idea in mind and because of long experience and large production facilities, they cost but little more For the job they do they really cost you much less.... MICHIANA PRODUCTS CORPORATION, Michigan City, Ind.

Made for engines up to several thousand horsepower capacity—with uniformly high quality engineered replacement cartridge Re-Fills.

MICHIANA OIL FILTERS

• STANDS

STANDS, Adjustable—*continued*

Cochin Mfg. Co., 1440 E. Grand Ave., South, San Francisco, Calif.
Evans Reamer & Machine Co., New Livingston, Ohio.
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
R V Jack Corp., P. O. Box 205, Arcade, N. Y.
Reliable Jack Div. of Dayton Malleable Iron Co., 1401 W. 2nd St., Dayton 1, Ohio.
Toledo Pressed Steel Co., 397 Phillips Ave., Toledo 12, Ohio. (Folding.)
Unit Mfg. Co., 1229 Harmon Pl., Minneapolis 3, Minn.
Wagner Mfg. Co., 122 W. First St., Cedar Falls, Iowa. (Folding.)
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. (Horses.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

STANDS, Axle Repair (Rear)

See Stands, Engine Transmission Repair

STANDS, Body Parts Repair

Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Reck-Rack."

STANDS, Engine Transmission Repair

Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Kaasco."
Cleveland Pneumatic Tool Co., Automotive Div., 3769 E. 77th St., Cleveland 5, Ohio. "Aerol" and "Clayborne."
Curtiss & Smith Mfg. Corp., 125 E. 4th St., Pottstown, Pa. "C S."
Evans Reamer & Machine Co., New Lexington, Ohio.
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif. "K & W."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Manley Div. American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Montague Equipment Co., 615 McKaig Ave., Troy, Ohio. "All Point."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Worthington Pump & Mchry. Corp., Harrison, N. J.

STANDS, Portable Tool and Parts

All Steel Welded Truck Co., 1149 Railroad Ave., Rockford, Ill.
Angle Steel Stool Co., 55 Oak St., Plainwell, Mich.
Aurora Equipment Co., Prairie St. at Cleveland Ave., Aurora, Ill. "Equipto."
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Campbell Co., H. D., 402 Dewey Ave., Rochelle, Ill. "Handy Andy."
Cornwell Quality Tools Co., Mogadore, Ohio.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "FGM Rotabin."
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco Porto-Bench."
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Kennedy Mfg. Co., N. Harrison St., Van Wert, Ohio.
Lincoln Engrg. Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Nutting Truck & Caster Co., 1125 W. Division St., Faribault, Minn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
R & L Mfg. Co., 1945 N. 12th St., Toledo 1, Ohio. (Sole distributors, Lisle Corp., 809 E. Main St., Clarinda, Iowa.)
Service Caster & Truck Corp., 540 N. Brownwood Ave., Chicago, Ill. (Elevating.)

Grab the green jack with the "beer mug" handle

MODEL E12.9A
12 TON

12-ton capacity
HEIN-WERNER hydraulic JACK
is easy to carry...
...easy to position

Why strain, stretch or squirm? When you have need for an under-axle type jack—grab a Hein-Werner. Convenient handle, on models of 12-ton capacity and larger, simplifies carrying and positioning.

All Hein-Werner under-axle jacks are factory tested at 1½ times rated capacity. They are fast, safe and proven . . . For details, see your H-W jobber, or write us.

Hein-Werner HYDRAULIC JACKS

HEIN-WERNER CORPORATION
Waukesha, Wisconsin

The complete Hein-Werner line of hydraulic jacks includes: Under-Axle Jacks of 1½ to 100 tons capacity . . . "Bumper-Lift" Jacks for passenger cars . . . "Swift-Lift" and Service Jacks for shop use . . . Adjustable Car Stands . . . "Push and Pull" and "Pushmaster" Jacks for body, fender, and frame repair work.

Hein-Werner manufactures and sells more HYDRAULIC JACKS than any other company in the world today.

STANDS, Portable—continued

Shure Mfg. Co., 1601 S. Hanley Rd., St. Louis 17, Mo. "Nat-Flex" & "Shure-Built."
Standard Pressed Steel Co., Jenkintown, Pa. "Hallowell."
Sturdi-Bilt Steel Products, Inc., 624 S. Michigan Ave., Chicago 5, Ill.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

STARTING AID

Schauer Mfg. Corp., 4533 Alpine St., Cincinnati 36, Ohio.

STARTING MOTOR DRIVE PARTS, See Parts, Starting Motor Drive

STARTING MOTORS, See Motors, Starting

STEAM CLEANERS, See Cleaners, Engine, Chassis and Fender

STEEL or IRON, Angle, Channel and Tee

Atlantic Steel Co., 16th & Mecaslin Sts., Atlanta 1, Ga. "Dixisteel." (Steel.)
Calumet Steel Div. of Borg-Warner Corp., 11 St. & Wentworth Ave., Chicago Heights, Ill.
Hynes Steel Products Co., 3760 Oakwood Ave., Youngstown, Ohio. (Angle steel.)
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill.
Jones & Laughlin Steel Corp., 401 Liberty Ave., Gateway Center, Pittsburgh 30, Pa. (Steel.)
Kawneer Co., 1105 N. Front St., Niles, Mich.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio.
Ryerson & Son, Inc., Joseph T., 16th & Rockwell Sts., Chicago, Ill. (Distributors.)
United States Steel Co., 525 Wm. Penn Pl., Pittsburgh 30, Pa. "U.S.S."

STEEL, Sheet

American Nickeloid Co., Peru, Ill. (Nickel, chrome, copper and brass plated.)
Apollo Metal Works, Inc., Clearing Station, Chicago 38, Ill. (Chromium, nickel, copper or brass plated.)
Armco Steel Corp., 703 Curtis St., Middletown, Ohio. (Hot and cold rolled.)
Bethlehem Steel Co., Bethlehem, Pa. "Beth Cu Loy."
Caine Steel Co., 1820 N. Central Ave., Chicago 39, Ill.
Coatesville Plate Washer Co., 1644 Widener Bldg., Philadelphia 7, Pa.
Continental Steel Corp., 1108 S. Main St., Kokomo, Ind.
Crucible Steel Co. of America, 535 Smithfield St., Pittsburgh, Pa.
Detroit Steel Corp., 1025 S. Oakwood Ave., Detroit 9, Mich. (Hot & cold rolled.)
Eastern Stainless Steel Corp., P. O. Box 1975, Baltimore, Md. (Stainless.)
Great Lakes Steel Corp., Ecorse, Detroit 29, Mich. (Enameled.)
Great Lakes Steel Corp., N-A-X Alloy Div., Detroit 29, Mich. "N-A-X."
Hynes Steel Products Co., 3760 Oakwood Ave., Youngstown, Ohio.
Ingersoll Steel, Div. Borg-Warner Corp., P. O. Box 273, New Castle, Ind. (Carbon, alloy; "Ing-Aclad" stainless clad.)
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill. (Also "Hi-Steel," "Cor-Ten" [Licensee], 4-Way Safety Plate.)
Jones & Laughlin Steel Corp., 401 Liberty Ave., Gateway Center, Pittsburgh 30, Pa.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio. "Enduro" (Stainless); "Republic."
Ryerson & Son, Inc., Joseph T., 16th & Rockwell Sts., Chicago, Ill.; (Distributors.)
Sharon Steel Corp., Sharon, Pa. "Sharon-steel."
Superior Sheet Steel Co., Canton, Ohio.
Superior Steel Corp., 3112 Grant Bldg., Pittsburgh 19, Pa. "Su-Veneer." (Copper, monel or nickel coated.)
Tennessee Coal & Iron Div. United States Steel Co., P. O. Box 599, Fairfield, Ala. "USS Cor-Ten."
United States Steel Co., 525 Wm. Penn Pl., Pittsburgh 30, Pa. "USS," "USS Cor-Ten."
Universal-Cyclops Steel Corp., Station St., Bridgeville, Pa.
Washington Steel Corp., Griffith & Woodland Aves., Washington, Pa. "Micro Rold." (Stainless.)
Weirton Steel Co., Weirton, W. Va.
Wheeling Steel Corp., Wheeling Steel Bldg., Wheeling, W. Va.

STEERING GEARS, See Gears, Steering

STEERING, Power

Air-O-Matic Power Steer Corp., 24 Noble Court, N. W. Cleveland 13, Ohio. "Apsco." (Air for trucks and buses.)
Bendix Products Div. Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. (Hydraulic.)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio. (Air.)
Garrison Mfg. Co., 1500 S. Santa Fe Ave., Los Angeles 21, Calif. (Hydraulic, for trucks and tractors.)
Gemmer Mfg. Co., 6400 Mt. Elliott Ave., Detroit 11, Mich. "Gemmer Hydraguide." (Hydraulic.)
Ross Gear & Tool Co., 800 Heath St., Lafayette, Ind. (Hydraulic.)
Saginaw Steering Gear Div. General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich. (Hydraulic.)
Vickers, Inc., 1400 Oakman Blvd., Detroit 32, Mich. (Hydraulic.)

REDUCE EXHAUST NOISE!

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MUFFLERS

Riker QT non-clogging, free flowing design with all electrical welded construction.

FLEET OWNERS . . OPERATORS!

—here's a muffler that will create better *public relations* by reducing exhaust noise. Yet, will provide maximum operating economies, and long life. RIKER QT (Quiet Tone) MUFFLERS exclusively, have been designed and manufactured to do this job for you. NOW PROVED in miles of grueling service in cities and on highways. Let us tell you more—write for literature and name of nearest jobber.

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STENCILS, For Lettering

Dicks Co., C. O., Detroit, Mich. (Lettering for trucks; cut paper masks for spraying.)

STEPS, Truck Body

Automotive Equipment Mfg. Co., 11000 South Alameda St., Lynwood, Calif.
Bustin Steel Products, Inc., 110 E. 130th St., New York 35, N. Y.
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Kaasco." (Folding.)
Mesco Products, Crete, Neb. "Mesco Fold-Away." (Folding.)
Midwest Body & Mfg. Div., Electrographic Corp., S. Central St., Paris, Ill. "Handy Step." (Side or rear.)
Safety Step Co., 778 N. Virgil Ave., Los Angeles 29, Calif. "Saf-T-Step." (Side and rear.)
Truck Accessories Co., 2512 W. Olympic Blvd., Los Angeles 6, Calif.
Truk-Step Co., 132 W. Verdugo St., Burbank, Calif.
Turk Corp., C. K., 1122 Meshawaka Ave., South Bend 15, Ind. "Caravan." (Folding.)
Visco-Meter Corp., 315 Grote St., Buffalo 7, N. Y. (Maintenance Stand.)
Western Motors, Body Div., 4834 Cermak Rd., Cicero, Ill.

STRAIGHTENERS, Axle

Bean Div., Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing, Mich.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Builders Ornamental Iron Co., 4655 W. Arthington St., Chicago 44, Ill. "Frame Master."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.

STRAIGHTENERS, Frame

(See Also Presses, Straightening)

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Builders Ornamental Iron Co., 4655 W. Arthington St., Chicago 44, Ill. "Frame Master."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Hydraulic, combination body and frame.)

STRAIGHTENERS, WHEEL, See Presses, Straightening (Wheel)

STRIPPERS, Paint, See Removers, Paint, Enamel and Varnish

STUDS, BOLTS, SCREWS, NUTS, Etc.

Atlas Bolt & Screw Co., 1130 Ivanhoe Rd., Cleveland 10, Ohio.
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Elastic Stop Nut Corp. of America, 2330 Vauxhall Rd., Union, N. J. "Esna." (Self-locking.)
Hartford Machine Screw Co., P. O. Box 1440, Hartford, Conn.
Huck Mfg. Co., 2480 Bellevue Ave., Detroit 7, Mich. (Lockbolts.)
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio.
Tinnerman Products, Inc., P. O. Box 688, Dept. 16, Cleveland 1, Ohio. (Self-locking.)

SUSPENSION UNITS, AXLE (FOR TRAILERS), See Axle Suspension Units, for Trailers

SWEEPERS, Road

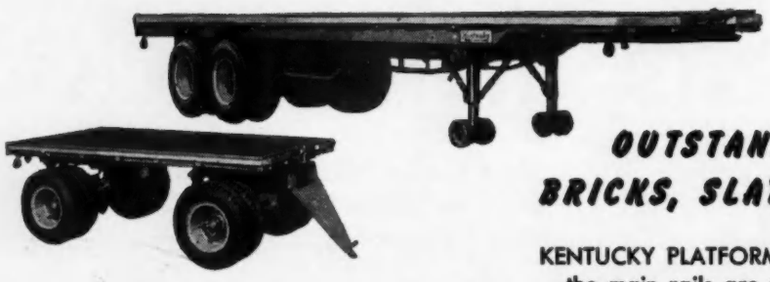
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Austin-Western Co., Aurora, Ill.
Columbia Engineering Service Co., 173 14th St., San Francisco, Cal. (Magnetic Type.)
Elgin Sweeper Co., Elgin, Ill.
Esiez Manufacturing Co., 42 Magnet Drive, Erie, Pa.
Frink Sno-Plows, Inc., Clayton, Thousand Isle, N. Y.
Grace Mfg. Co., 7000 S. Lanas St., Dallas, Tex.
Hough Co., Frank G., Libertyville, Ill.
Little Giant Products, Inc., 1530-60 N. Adams St., Peoria, Ill.
Wilshire Power Sweeper Co, 526 W. Chevy Chase, Glendale 4, Calif. (Road & floor.)

SWITCHES, Direction Indicating Signal

Arrow Safety Device Co., Mt. Holly, N. J.
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Chefford Master Mfg. Co., Fairfield, Ill.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., Anderson, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Brenson, Mich.
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Marion Truck Equipment Co., 2030 S. State St., Chicago 16, Ill. (Air brake.)
Pollak Corp., Joseph, 75 Freeport St., Boston, 22, Mass.
Saginaw Steering Gear Div., General Motors Corp., Clinton and Hamilton Sts., Saginaw, Mich.
Signal-Stat Corp., 523-39 Kent Ave., Brooklyn 11, N. Y.
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich.

KENTUCKY

Heavy Duty SINGLE AND TANDEM
AXLE AND FOUR WHEEL PLATFORM TRAILERS



Equipped with Stake Pockets and Skid Rail. KENTUCKY PLATFORMS may easily be converted for use in hauling Grain, Bulk Fruit and Livestock by the addition of appropriate Stake and Rack Bodies . . . many types are available.

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OUTSTANDING FOR HAULING STEEL, BRICKS, SLATE, LUMBER AND TOBACCO

KENTUCKY PLATFORM TRAILERS are constructed for HEAVY DUTY —the main rails are trussed (standard) on units 26" and longer— other "Built to Last" standard equipment includes Helper Springs and Wide Angle Coupling 5th Wheel Plate . . . designed to resist excessive stress and deflection even in longest lengths.

Numerous Standard colors and optional floor thicknesses, together with other desired accessories.

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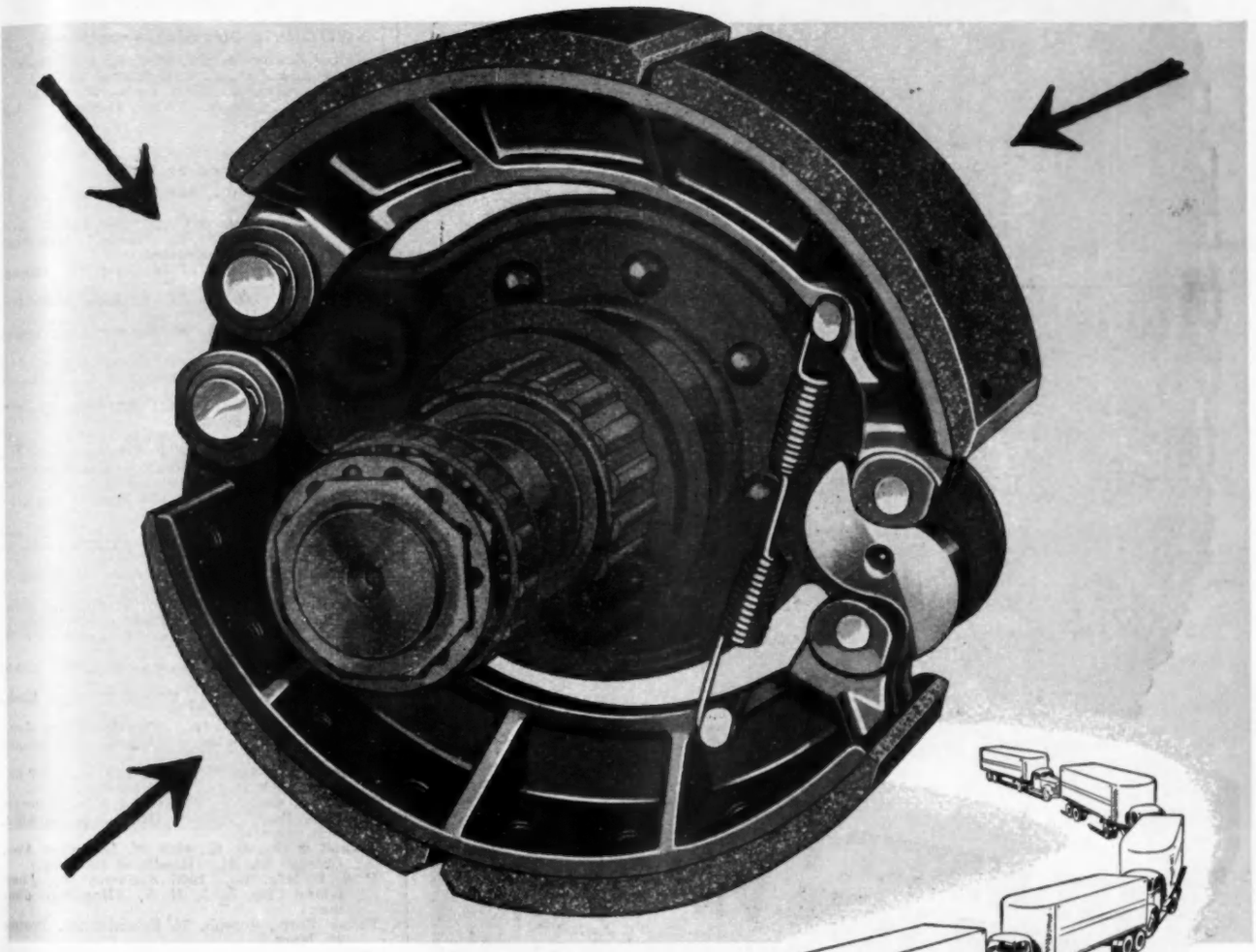
Fleet Safety starts HERE!



All that stands between your equipment and costly accident is ¼″ to ⅜″ of brake lining thickness.

Important as driver training and preventive maintenance programs are, when your vehicle is in a potential accident situation, you must still be equipped with a top quality brake lining.

That's why leading heavy-duty operators make American Brakeblok their first choice. They know it is completely dependable throughout its longer lining life. Wears slowly, evenly. Protects drums. Keeps maintenance costs low.

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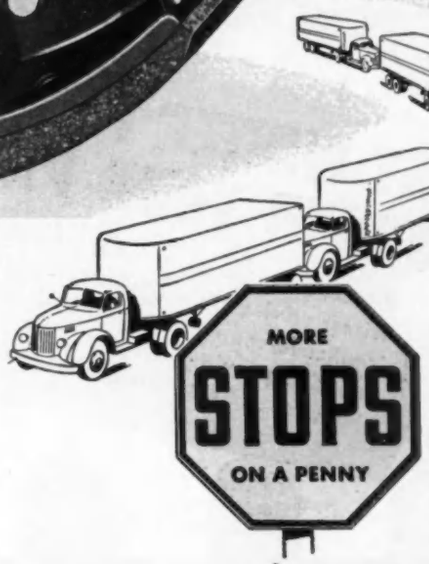

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LET WINTER PUT THE SKIDS UNDER YOUR PROFITS . . .

Protect your profits, your employes and the public from winter driving hazards: Only Campbell has the patented Lug-Reinforced construction that digs in for greater traction . . . provides greater protection against skids and side slips . . . cuts link breakage to a minimum.

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• SWITCHES

SWITCHES, Direction—*continued*

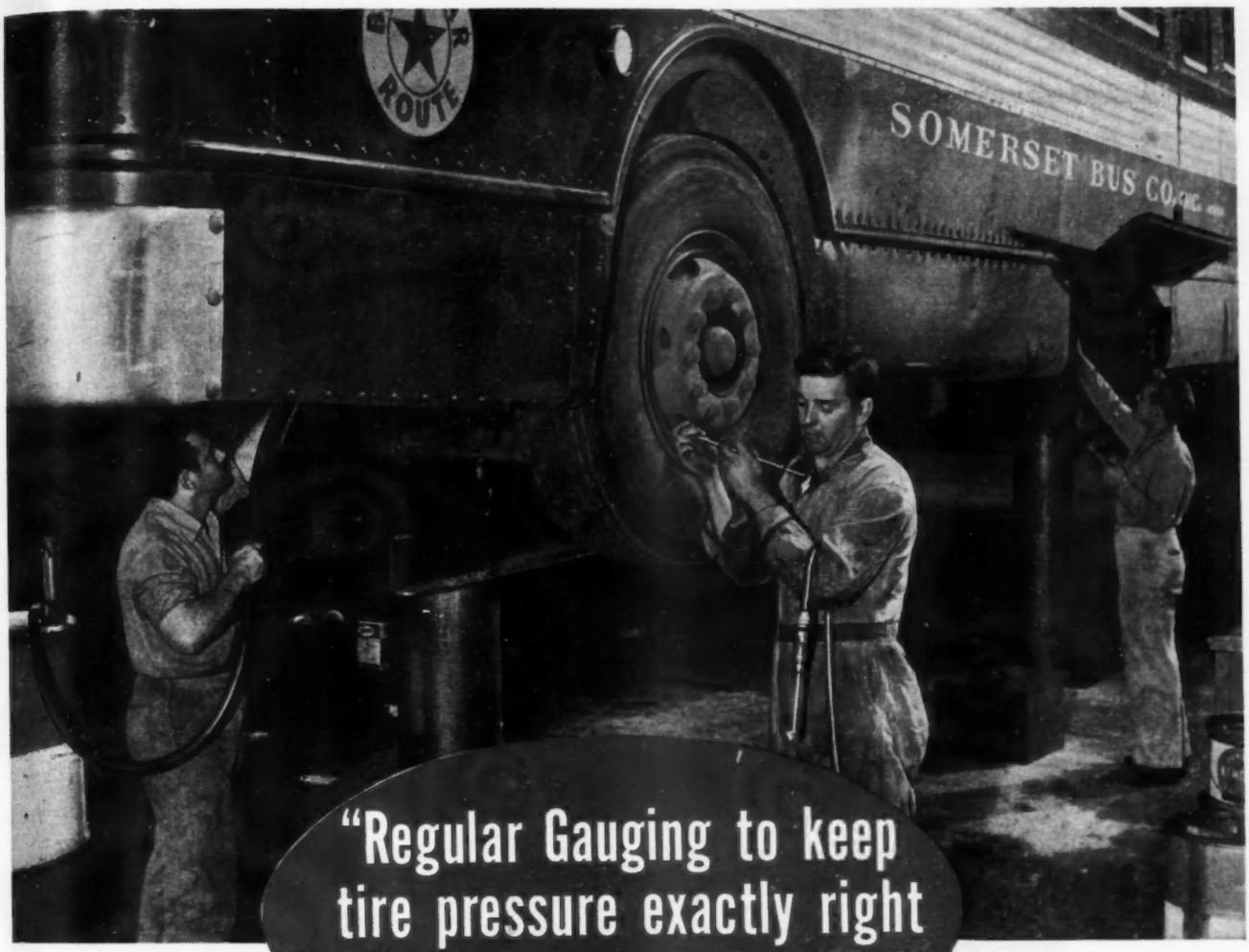
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts., Philadelphia 36, Pa.
Yankee Metal Products Corp., 25 Grant St., Norwalk, Conn. "Wheel-O-Matic." (Self-cancelling.)

SWITCHES, Floor or Foot

Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco." (Headlight dimming, foot operated.)
Carter Parts Co., 213 Institute Pl., Chicago 10, Il.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind. (Foot dimming.)
Echlin Mfg. Co., 220 East St., New Haven 5, Conn. (Dimming.)
Electric Auto Lite Co., Toledo 1, Ohio.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Headlight dimming.)
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 450 W. 31st St., New York 1, N. Y. "Gasco." (Headlight dimming.)
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y. (Headlight dimming.)
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. (Headlight dimming, foot.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kem Mfg. Co., 20-21 Dagaraw Rd., Fair Lawn, N. J.
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco." (Headlight dimming.)
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa. "Nycco." (Headlight dimming, foot operated.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Headlight dimming.)
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y. (Headlight dimmer.)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind. (Headlight dimming, foot operated.)
Sorenson Mfg. Co., 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." (Headlight dimming.)
Zaiger Corp., 589 Essex St., Lynn, Mass. "Hi-Amp."

SWITCHES, Heater

Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Culver-Stearns Mfg. Co., 53 Grafton St., Worcester 8, Mass.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
General Automotive Specialty Co., 450 W. 31st St., New York 1, N. Y. "Gasco."
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
K-D Lamp Div., 1910 Elm St., Cincinnati 10, Ohio.
Kem Mfg. Co., 20-21 Sagaraw Rd., Fair Lawn, N. J.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Soreng Mfg. Corp., 9555 Eden Ave., Schiller Park, Ill.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y.
Zaiger Corp., 589 Essex St., Lynn, Mass. "Hi-Amp."



"Regular Gauging to keep tire pressure exactly right adds plenty to tire life"

This is what Harold Eick, Superintendent of Maintenance, Somerset Bus Company, Inc. Mountainside, N. J., says:

"In addition to a 2000-mile tire check up, we gauge tires on all buses daily with a Schrader 7188BH dual foot service gauge.

"We also check for missing valve caps, worn valves or valve cores. These are replaced with Schrader Products exclusively."

Whether *your* fleet is big or small, your job is to keep it rolling, and to hold down costs. That's why it pays to follow a thorough tire valve maintenance program, and to use finest quality products. *Specify* Schrader when you order Tire Gauges, Tire Valves, Valve Caps and Cores, Valve Tools and all Airline Fittings.

Always certify all your gauging-inflating equipment with the 8106B Trutest Special Gauge, so you're sure all your gauges are right.

Schrader
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FIRST NAME IN TIRE VALVES
FOR ORIGINAL EQUIPMENT AND REPLACEMENT

A. SCHRADER'S SON, *Division of Scovill Manufacturing Company, Incorporated,* **470 Vanderbilt Ave., Brooklyn 38, N. Y.**

SWITCHES, Ignition

Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bendix-Scintilla—See Scintilla Magneto Div. of Bendix Aviation Corp.
Briggs & Stratton Corp., 2711 N. 18th St., Milwaukee 1, Wis.
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Toledo 1, Ohio.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 450 W. 31st St., New York 1, N. Y. "Gasco."

ONE MAN. . . AND A BRADEN WINCH

Pictured here is one man and a BRADEN WINCH doing an efficient job of pole setting. The controls are placed so that the operator can see the pole and keep the load under perfect control. This is another example of the adapting of a BRADEN WINCH to specific handling jobs. Let us know your handling problem and we will show you how a BRADEN WINCH can be used to solve it.

Write for complete information

BRADEN WINCH COMPANY
P. O. Box 547, Broken Arrow, Oklahoma

BRADEN Winches

Ideal Clamp Mfg. Co., 435 Liberty Ave., Brooklyn 7, N. Y.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot," (For Ford, Chevrolet and Plymouth cars.)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Scintilla Magneto Div. Bendix Aviation Corp., Sherman Ave., Sidney, N. Y. "Bendix."
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Synchro-Start Products, Inc., 1046 W. Fullerton St., Chicago 14, Ill. (Automatic.)
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts. (Holmesburg), Philadelphia 36, Pa. "Mitchell."

SWITCHES, Ignition (Cut-Off)

Clapp Corp., 2519 Hawes St., Dallas 9, Texas.
Durakool, Inc., 1010 N. Main St., Elkhart, Ind. "Tipover."
Moto-Gard Co., Box 2425, Raleigh, N. C.
Murphy, Frank W., Tulsa, Okla.
Reynolds Electric Co., 3000 River Rd., River Grove, Ill.
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y. "Mak-Saf."
Synchro-Start Product Inc., 1046 W. Fullerton St., Chicago, Ill.
Transportation Safety Appliances, Inc., 343 S. Dearborn St., Chicago 4, Ill.
Viking Instrument Co., East Haddam, Conn.

SWITCHES, Light

Automotive Mf-. Co., 570 W. Fulton St., Chicago 6, Ill. "Amko."
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Connecticut Telephone & Electric Corp., 85 Britannia St., Meriden, Conn.
Culver-Stearns Mfg. Co., 53 Grafton St., Worcester 8, Mass.
Cutler-Hammer, Inc., 362 N. 12th St., Milwaukee 1, Wis. "C-H."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind. (For dome lights.)
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
General Automotive Specialty Co., 450 W. 31st St., New York 1, N. Y. "Gasco."
General Electric Co., Monowatt Dept., 95 Hathaway St., Providence 7, R. I. "Monowatt."
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Regal Motor Products, Inc., 6325 Grand River Ave., Detroit 8, Mich.
Rhodes Inc., M. H., 30 Bartholomew Ave., Hartford 6, Conn. "Mark-Time."
Soreng Products Corp., 9555 Eden Ave., Schiller Park, Ill.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts., Holmesburg, Philadelphia 36, Pa.
Zaiger Corp., 589 Essex St., Lynn, Mass. "Hi-Amp."

No wheel failures with

ALCOA forged aluminum disc wheels...

says C. A. Wallace

"Long distance lumber hauling is my specialty," says C. A. Wallace, Fresno, California. "The main reason for choosing Alcoa Aluminum Wheels was the saving in weight. In three years, I have never had a wheel failure and I am saving approximately 750 pounds per unit, thereby increasing my payload. Needless to say, all my future units will have Alcoa Aluminum Wheels."

Hundreds of truckers will back up C. A. Wallace, not only on weight saving, but on these four other major features:

TRUE-RUNNING! Alcoa Forged Aluminum Wheels are precision-made, machined to close tolerances. Results—better balance, truer running qualities that mean easier steering, longer tire life, a smoother ride.

RAPID HEAT DISSIPATION! Tire temperatures are kept lower because one-piece Alcoa Forged Aluminum Wheels conduct heat rapidly away from the tires. When tires run cooler, they give greater mileage.

MINIMUM MAINTENANCE! Alcoa Forged Aluminum Disc Wheels resist corrosion, never have to be painted. Tire changing is easier because there is no rust. Rim surfaces remain smooth so tire beads loosen easily during tire changing.

PROVED STRENGTH! Laboratory tests and thousands of miles of road runs have proved Alcoa Forged Aluminum Disc Wheels match or excel steel wheels in strength and rigidity. Aluminum Company of America, 1871-L Alcoa Building, Pittsburgh 19, Pa.

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Alcoa Aluminum

ALUMINUM COMPANY OF AMERICA

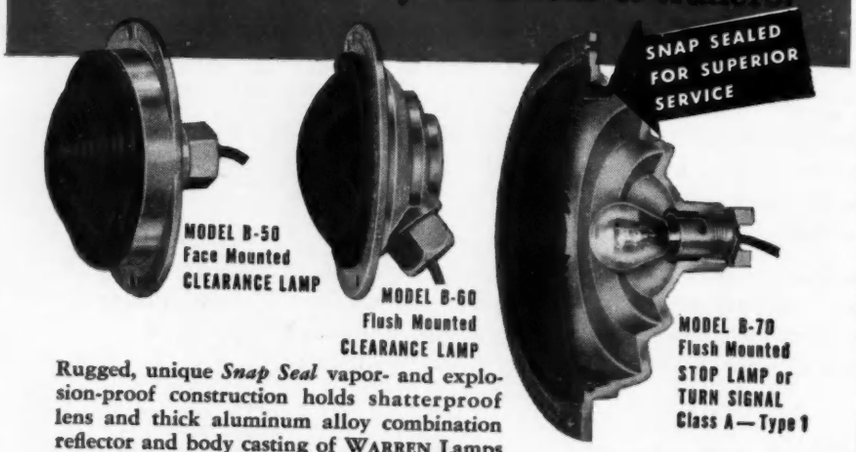
SWITCHES, Starter

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Carter Parts Co., 213 Institute Place, Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite." (Solenoid.)
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Solenoid.)
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 450 W. 31st St., New York 1, N. Y. "Gasco."
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio. "L-N."
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorensen Mfg. Co., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts., Holmesburg, Philadelphia 36, Pa.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.

Let it rain, sleet or snow! Moisture, dirt, salt spray, grime, fumes are sealed out of

WARREN *Snap Seal* SAFETY LAMPS

for the lifetime of your trucks & trailers!



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You'll never really know what trouble-free safety lighting can mean until you install sturdy, weather-proof WARREN *Snap Seal* Lamps on your vehicles.

You owe it to yourself and your operations to protect your drivers, equipment and loads with *Snap Seals*, the lamps that pay off in performance!

BUILT TO LAST LIFETIME OF VEHICLE!
WARREN *Snap Seal* Lamps are built to provide years of dependable performance even in the toughest service. Their unique heavy-duty construction virtually eliminates the common causes of failure in ordinary lamps—wear, rust, corrosion and vibration.

ASSURES BETTER, SAFER, LONGER-LASTING LIGHT—Engineered to set new standards of safety, improved lighting and long life, WARREN *Snap Seal* Lamps deliver all that—and more besides! You'll prove this true quickly, once you install them.

COST LESS FOR THE "LONG HAUL"
You'll also prove it profitable to standardize on *Snap Seals* for replacements . . . to specify them on new equipment.
Write for complete information today!

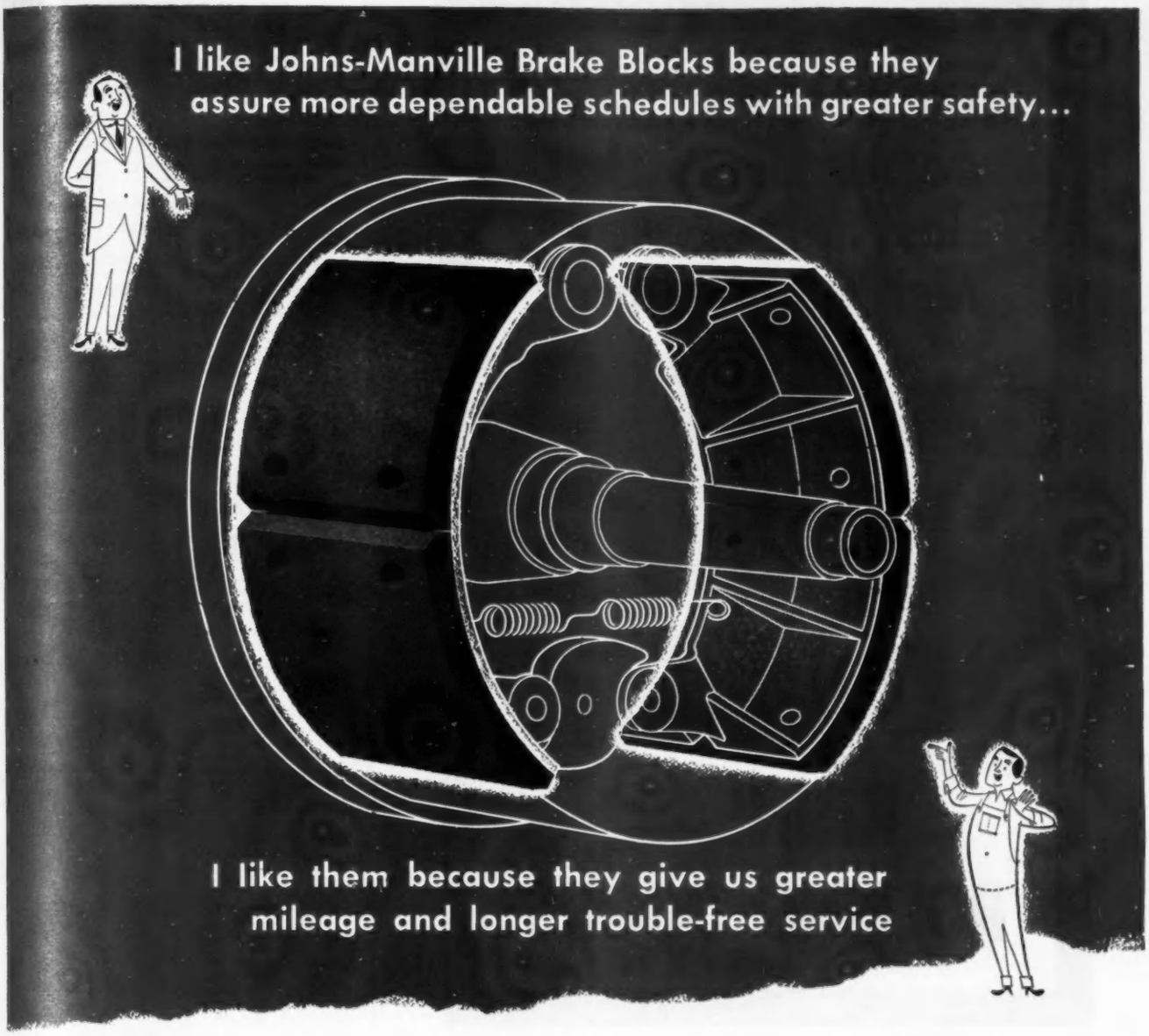
Manufacturers of WARREN Manifold & Emergency Valves & Custom Built Machinery Since 1901

BETTS MACHINE COMPANY
WARREN, PENNSYLVANIA

SWITCHES, Stop Light

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Lathan." (Trailer.)
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Marion Truck Equipment Co., 2030 S. State St., Chicago 16, Ill.
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot."
Murray Corp., Towson 4, Md.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, Long Island, N. Y.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Lockheed."
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Yankee Metal Products Corp., 31 Grand St., Norwalk, Conn.

SYNCHRONIZERS, See Instruments, Distributor Testing



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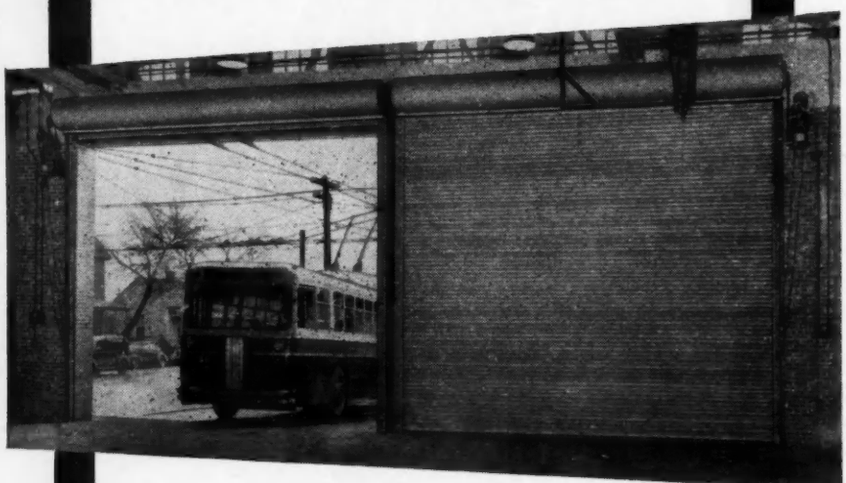

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Barbour-Stockwell Co., 205 Broadway, Cambridge 39, Mass.
Electro Products Co., 445 E. 189th St., New York 58, N. Y.
King Electric Equipment Co., 9115 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill. (Electric.)
Weidenhoff, Inc., Joseph, Algona, Iowa.
Westberg Mfg. Co., 144 S. Coombs St., Napa, Calif. "Westach."

TACHOMETERS, Speed

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Electric.)
Amthor Testing Instrument Co., 45a Van Sinderen Ave., Brooklyn 7, N. Y.
Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio.
Barbour-Stockwell Co., 205 Broadway, Cambridge 39, Mass. "Reliance."
Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa. "Frahm," "Jagabi."
Bristol Co., Waterbury 91, Conn.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Esterline-Angus Co., P. O. Box 596, Indianapolis 6, Ind.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Jones-Motorola Corp., 432 Fairfield Ave., Stamford, Conn. "Jones."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Metron Instrument Co., 432 Lincoln St., Denver 9, Colo. (Electric.)
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Paramount Fabricating Co., 1644 W. Lafayette Ave., Detroit 16, Mich. "Shiftometer."
Stewart-Warner Corp., Instrument Div. 1826 Diversey Parkway, Chicago, Ill. (Electric and mechanical.)
Sticht Co., Herman H., 27 Park Place, New York, N. Y. "Standco."
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.
Waltham Watch Co., 221 Crescent St., Waltham 54, Mass.
Westberg Mfg. Co., 144 S. Coombs St., Napa, Calif. "Westach."
Zernickow Co., O., 15 Park Row, New York 38, N. Y. "O-Z."

TACHOGRAPHS, See Recorders, Vehicle Movement

TAILGATE LOADERS, See also Loaders, Truck (Elevating Tailgate)

Master Vibrator Co., 108 Davis St., Dayton, Ohio.

TAIL PIPES, See Pipes, Tail and Exhaust

TAKE-OFFS, Power

Adams Engineering Co., 29201 Solon Rd., Solon, Ohio.
Automotive Gear Works, Inc., Eighth & S. O. Sts., Richmond, Ind.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill.
Braden Winch Co., Box 547, Broken Arrow, Okla.
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio. (Split shaft.)
Chelsea Products, Inc., 21 Buchanan St., Chelsea, Mich.
Cotta Transmission Co., 2340 11th St., Rockford, Ill.
Couse Mfg. Inc., 300 Pacific St., Newark 4, N. J.
Davey Compressor Co., Kent, Ohio.
Detroit Harvester Co., Detroit Div., 5450 W. Jefferson Ave., Detroit, Mich.
Eagle Mfg. Co., 414 E. Winnebago St., Appleton, Wis.
F. A. B. Mfg. Co., 1249 67th St., Oakland 8, Calif. "Fabco."
Gar Wood Industries, Inc., Wayne Div., Wayne, Mich. "GW." (With hoist, winch and crane.)

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Heil Co., Dept. 6253, 3062 W. Montana St., Milwaukee 1, Wis.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyons, Ill.
Hercules Steel Products Corp., Box 477, Galion, Ohio. (Split shaft.)
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
Mobile Power, Inc., 3020 East Grand Blvd., Detroit 2, Mich.
Rockford Clutch Div., Borg-Warner Corp., 1319 18th Ave., Rockford, Ill.
St. Paul Hydraulic Hoist Div., Gar Wood Industries, Inc., 2207 University Ave., S. E., Minneapolis 14, Minn.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Auburn" (split type); "Spicer Brown-Lipe."
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Tulsa Winch, Div. of Vickers, Inc., 823 E. First St., Tulsa 3, Okla.
Twin Disc Clutch Co., 1338 Racine St., Racine, Wis. (Hydraulic.)
Watson Co., H. S., 1316 67 St., Oakland 8, Calif. "Watson-Brown-Lipe."
Western Gear Works, 2600 E. Imperial Highway, Lynwood, Calif.

TALC, TIRE, See Lubricants, Tire

TANK BODIES, See Tanks, Trailer and Truck Body

TANKS (Fuel Supply)

American Safety Tank Co., 3937 Main St., Kansas City 11, Mo.
Anderson Co., O. L., 1347 E. Fort St., Detroit 7, Mich.
Champion Sheet Metal Co., 2 Squires St., Cortland, N. Y.
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
The Lintern Corp., P. O. Box 428, Painesville, Ohio. (Sole distributors Lintern-Jolene Sales Corp., P. O. Box 428, Painesville, Ohio.)
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif. (For jeeps.)
Michiana Products Corp., Sheet Steel Div., Michigan City, Ind.
Michigan Fleet Equipment Co., 2350 Chicago Drive S. W., Grand Rapids, Mich.
Motors Metal Mfg. Co., 5936 Milford Ave., Detroit 10, Mich.
Prior Products, Inc., 4828 Racell St., Dallas, Tex.
Snyder Tank Corp., 3773 Lake Shore Blvd. (P. O. Box 14), Buffalo 5, N. Y. (Truck.)
Stolper Steel Products Corp., 300 Pilgrim Rd., Menominee Falls, Wis.
Western Metal Specialty Co., 1213 N. 62nd St., Milwaukee 13, Wis.
Whitehead & Kales Co., 58 Haltiner St., River Rouge, Mich. "W. & K." (Auxiliary truck.)

TANKS, Inner Tube Testing

Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Cal. "Brown."
Bishman Mfg. Co., Osseo, Minn.
Dover Stamping Co., 427 Plymouth Ave., Fall River, Mass.
Independent Iron Works 8th & Pine Sts., Oakland 20, Calif.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Lawson Co., F. H., Evans & Whateley Sts., Cincinnati, Ohio.
Miller Rubber Products Co., 1254 S. High St., Akron, Ohio.
United States Steel Products Div. United States Steel Co., 5100 Santa Fe Ave., Los Angeles 58, Calif. "Boyco."

TANKS, METAL PARTS WASHING, See Washers (Metal Parts)

TANKS, Oil (Portable)

(Tanks and pumps on wheels)

Bowser, Inc., S. F., 1302 E. Creighton Ave., Ft. Wayne, Ind.
Erie Meter Systems, Inc., Pearl St. & Wagner Ave., Erie, Pa.
Gilbert & Barker Mfg. Co., Springfield, Mass. "Gilbarco Narro-Lube."
Grigg Specialty Tools, 8103 Marbisa Ave., Huntington Park, Calif.
Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.

TANKS, Trailer and Truck Body

Andrews Industries, Inc., 7901 Alabama Ave., St. Louis 11, Mo.
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa.
Auto Truck Steel Body Co., 3028 Carroll Ave., Chicago 12, Ill.
Beall Pipe & Tank Corp., 12005 N. Burgard St., Portland, Ore.
Boardman Co., 1401 W. 11th St., Oklahoma City, Okla.
Boston Steel & Mfg. Co., 112 Bryant St., Malden 48, Mass.
Butler Mfg. Co., 7400 E. 13th St., Kansas City 3E, Mo.
Chicago Stainless Equipment Corp., 5001 Elston Ave., Chicago 30, Ill. (Stainless steel, for milk.)
Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.

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TANKS, Trailer, Truck Body—*continued*

Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Eaton Metal Products Corp., 13th St. & Willis Ave., Omaha 2, Nebr.
Farrell Mfg. Co., 804 E. Cass St., Joliet, Ill.
Felker Bros. Mfg. Co., 22 N. Chestnut St., Marshfield, Wis.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Gar Wood Industries, Inc., Wayne Div., Wayne, Mich. "GW." (Truck.)
General Body & Hoist Co., Paris & Garvey Sts., Everett 49, Mass. "Universal."
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio.
Heil Co., Dept. 6253, 3062 W. Montana St., Milwaukee 1, Wis. "Trailerized."
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Independent Iron Works, Eighth & Pine Sts., Oakland 20, Calif.
Industrial Steel Tank & Body Works, 5755 Landregan St., Emeryville, Calif.
Joplin Body & Trailer, Inc., 720 E. 5th St., Joplin, Mo. "Joplin Transporter."
Kaustine Co., Perry, N. Y.
Kennedy Tank & Mfg. Co., 1201 Beecher St., Indianapolis 7, Ind.
Koven & Bro., L. O., 154 Ogden Ave., Jersey City, N. J.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa.
Niles Steel Tank Co., Niles, Mich. "Lifetime."
Olson Mfg. Co., 4000 Warm Springs Ave., Boise, Idaho.
Pacific Coast Engr. Co., Oak & Clement Sts., Alameda, Calif. "Paceco" (To Order).
Pennsylvania Furnace & Iron Co., 316 Pine St., Warren, Pa.
Press' Sons, Inc., Jacob, 501 W. 33rd St., Chicago 16, Ill.
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
Providence Body Co., 750 Wellington Ave., Cranston, R. I. (Truck.)
Quaker City Iron Works, Aramingo & Ontario Sts., Philadelphia 34, Pa. (Truck.)
Rock Hill Body Co., W. Main St., Rock Hill, S. C. (Truck.)
Roehlk Spring and Body Co., 417 S. 15th St., St. Louis 3, Mo. (Milk.)
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa. (Truck.)
Springfield Body & Trailer Co., 1631 College St., Springfield, Mo.
Stainless Steel Products Co., 1000 Berry Ave., St. Paul 14, Minn. "Certified." (Stainless steel.)
Standard Steel Works, 16th & Howell Sts., North Kansas City 16, Mo.
Steel Products Co., P. O. Box 1007, Savannah, Ga.
Stewart & Stevenson Services, Inc., 4516 Harrisburg, Blvd., Houston, Tex.
Stoughton Cab & Body Co., 408 E. South St., Stoughton, Wis. (Milk.)
Superior Metal Products, Inc., Branson & 18th Sts., Marion, Ind. (Truck, to order.)
Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash. (Truck.)
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J.
Wentworth & Irwin, Inc., 123 N. E. Oregon St., Portland 14, Ore. (Truck.)
Wichita Body & Equipment Co., 1926 N. Broadway, Wichita 12, Kan. (Live fish transport.)
Wilco, Inc., 400 E. Decatur St., Kenton, Ohio.
Wright Co., Thomas, 185 Dey St., Jersey City 6, N. J.

TANKS and SYSTEMS, Gasoline and Oil Storage

Airtherm Mfg. Co., 700 S. Spring Ave., St. Louis 10, Mo.
Biggs Boiler Works Co., 1007 Bank St., Akron, Ohio.
Birmingham Tank Co., Div. of Ingalls Iron Works Co., 620 Ave. D, Birmingham, Ala. "Birtank." (Tanks.)
Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne, Ind.
Butler Mfg. Co., 7400 E. 13th St., Kansas City 3E, Mo.
Chicago Boiler Co., 1965 Clybourn Ave., Chicago 14, Ill. "Red Head." (Tanks.)
Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Eaton Metal Products Corp., 13th St. & Wills Ave., Omaha 2, Nebr.
Erie Meter Systems, Inc., Pearl St. & Wagner Ave., Erie, Pa. (Systems.)
Farrell Mfg. Co., Joliet, Ill.
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Independent Iron Works, 8th & Pine Sts., Oakland 20, Calif.
Kaustine Co., Perry, N. Y. (Tanks.)
Kennedy Tank & Mfg. Co., 1201 Beecher St., Indianapolis 7, Ind.
Koven Bros., Inc., L. O., 154 Ogden Ave., Jersey City, N. J.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Niles Steel Tank Co., Niles, Mich. "Lifetime."
Petroleum Systems, Inc., 2914 E. Grand Blvd., Detroit 2, Mich. (Hydraulic flotation system.)
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
Quaker City Iron Works, Aramingo & Ontario Sts., Philadelphia 34, Pa.
Richmond Engineering Co., Seventh & Hospital Sts., Richmond 1, Va. "Reco." (Tanks.)
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa.

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Co., 1631 College
o., 1000 Berry
nn. "Certified."
& Howell Sts.,
o.
1007, Savannah,
, Inc., 4516 Har-
ex.
408 E. South St.,
Branson & 18th
, to order.)
Co., 739 Ninth
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41 N. Tenth St.,
23 N. E. Oregon
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(Live fish trans-
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St., Jersey City

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(Tanks.)
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112 W. First St.,
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Tanks.)
1201 Beecher St.,
154 Ogden Ave.,
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E. Grand Blvd.,
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ent Div., Arthur,
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4, Pa.
Seventh & Hot-
1, Va. "Reco."
s, Inc., Sharpe-

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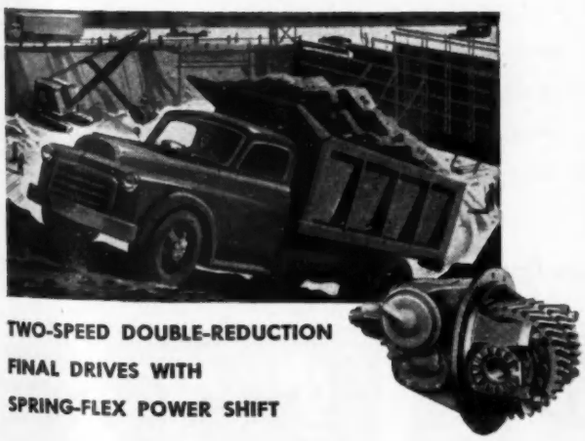

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TANKS, Gas, Oil Storage—*continued*

Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
United States Steel Products Div. United States Steel Co., 5100 Santa Fe Ave., Los Angeles 58, Calif. "Boyco." (Tanks.)
Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.
Western Metal Specialty Co., 1213 N. 62nd St., Milwaukee 13, Wis.
Wood Co., John, Bennett Pump Div., Muskegon, Mich. "Bennett."

TAPE, Masking, See Masking, Tape

TAPPETS, Valve

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Chicago Screw Co., 2701 Washington Blvd., Bellwood, Ill. (Hydraulic and mechanical.)
Diesel Equipment Div., General Motors Corp., 2100 Burlingame Ave. S.W., Grand Rapids 2, Mich. (Hydraulic.)
Eaton Mfg. Co., Saginaw Div., 9771 French Rd., Detroit, Mich. "Zero-Lash." (Also hydraulic and self-adjusting.)
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio.
Johnson Products, Inc., 1185 E. Keating Ave., Muskegon, Mich. (Adjustable.)
Skinner-Moser Sales, 600 E. San Christopher Drive, Dunedin, Fla. "S-M." (Hydraulic and mechanical.)
Wohlert Corp., 700 E. Grand River Drive, Lansing 6, Mich.
Wolverine Gear & Parts Co., Osseo, Mich.

TARPAULINS, See Covers, Truck

TELEPHONES, Mobile, See Radios, Two-Way

TERMINALS, Wire

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Aircraft-Marine Products, Inc., 2100 Paxton St., Harrisburg, Pa. "AMP." (Solderless.)
American Electric Cable Co., 181 Appleton St., Holyoke, Mass. "Lusterlac."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Barcy-Nicholson Co., 8100 Joy Rd., Detroit 4, Mich.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Burndy Engineering Co., Norwalk, Conn. "Hylugs."
Central Equipment Co., 1112 S. Wabash Ave., Chicago, Ill. "Slip-Yoke."
Champion Cable Co., 1805 E. 40 St., Cleveland 3, Ohio.
Clark Cable Corp., 11201 Berea Rd., Cumberland 2, Ohio.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Wire & Cable Div., 3529 24th St., Fort Huron, Mich. "Sterling."
Electric Auto-Lite Co., Wire & Cable Div., Hazleton, Pa.
Grand Haven Brass Foundry, 230 N. Hopkins St., Grand Haven, Mich.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Inter-Continent Mfg. Co., 117 E. 13th St., Chicago 5, Ill. "Imco."
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin'."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Metal Craft Co., 3300 Doris Ave., Detroit 6, Mich.
Monarch Insulated Wire Co., 491 Broadway, New York, N. Y.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Ohio Parts Co., Theresa St. & Chouteau Ave., St. Louis 3, Mo.
Packard Electric Div., General Motors Corp., Warren, Ohio.
Patton-MacGuyer Co., Baker St. & Virginia Ave., Providence 5, R. I.

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Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Rajah Co., 53 Locust Ave., Bloomfield 53, N. J.
Realflex Products Co., 335 38th St., Brooklyn 32, N. Y.
Richards Mfg. Co., 20 E. Herman St., Philadelphia 44, Pa.
Shakeproof, Inc., 2501 N. Keeler Ave., Chicago 39, Ill.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y.
Stimpson Co., Edwin B., 70 Franklin Ave., Brooklyn, N. Y.
Thomas & Betts Co., 36 Butler St., Elizabeth 1, N. J. "Sta-Kons."
Thompson-Bremer & Co., 1640 W. Hubbard St., Chicago 22, Ill.
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
Vaco Products Co., 317 E. Ontario St., Chicago 11, Ill. "Lynn."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wade Electric Products Co., 211 N. Jacobs St., Sturgis, Mich.

Walker Bros., River & End Sts., Conshohocken, Pa. "Walker of Conshohocken," "Clipper."
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
White, Inc., J. M., 11th & Cambria Sts., Philadelphia 33, Pa. "Triplex."
Zierick Mfg. Corp., Beechwood & Rockdale Ave., New Rochelle, N. Y.

TESTERS, BATTERY, See Instruments, Storage Battery Testing

TESTERS, Bearing Wear

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A. D. I."
Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Federal-Mogul Service, 11031 Shoemaker Rd., Detroit 13, Mich.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.

TESTERS, Brake

(See Gages, Brake Drum; Gages, Brake Shoe)
American Instrument Co., Silver Spring, Md.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bendix Products Div. of Bendix Aviation Corp., 401 Bendix Drive, South Bend, Ind. "Cowdrey."
Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Permafuse Corp., 12 Commercial Ave., Garden City, N. Y.
Tapley Products, 53 Park Pl., N. Y. 7, N. Y. (Decelerometer.)
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. "Safety Lane."

TESTERS, Cylinder Block

K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Magnaflux Corp., 7300 W. Lawrence Ave., Chicago 31, Ill. "Magnaflux," "Zyglo," "Stresscoat."
Moguloid Co. of America, 3520 W. Carroll St., Chicago 24, Ill.

TESTERS, Diesel Equipment

Automotive Products, Inc., 1700 Grand Ave., Portland 19, Ore.
Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Buda Co., 154th St., & Commercial Ave., Harvey, Ill.

TESTERS, Driver

Allgaier, Earl, Arlington, Va.
Keystone View Co., Hamilton & Crandall Sts., Meadville, Pa.
Porto-Clinic Instruments, Inc., 298 Broadway, New York 14, N. Y.

TESTERS, ELECTRICAL, See Instruments, Electrical Circuit Testing

TESTERS, ENGINE, See Analyzers, Trouble

TESTERS, Fuel Pump

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Airtex Automotive Div., Airtex Products, Inc., Fairfield, Ill.
Arsco Mfg. & Sales Corp., 453 Tenth Ave., New York 18, N. Y.
Fischer & Porter Co., 700 County Line Rd., Hatboro, Pa. "Mileorator."
Gale-Hall Engrg., Inc., North Hampton, N. H. "Precision."
Hygrade Products Div., Standard Motor Products, Inc., 32-18 Northern Blvd., Long Island City, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.

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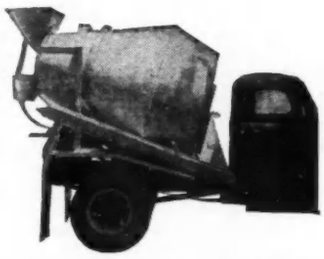

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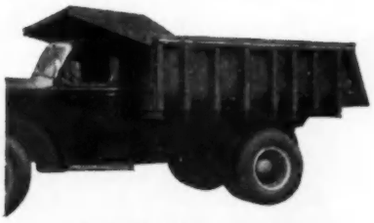
CONTRACTORS' EQUIPMENT

Hercules-built Willard Concrete Mixers with "the big throat" charge and discharge faster; compact size and light weight. Hercules Heavy-Duty Rock Bodies and Hoists have proved their ability to stand up under severest tests on thousands of jobs from coast to coast.

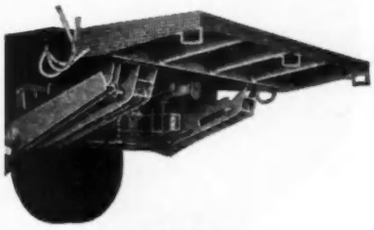


Rock Bodies and Hoists

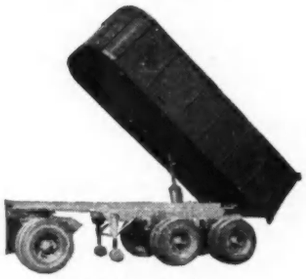
Dump Bodies and Hoists

TRUCK EQUIPMENT

No matter what your hauling or dumping needs, or what make of truck you use, it will pay you to choose from the complete Hercules line of Medium and Heavy-Duty Hydraulic Hoists, Dump Bodies, and Accessories (including Mechanical Power Chutes, Hydraulic Lift Tailgates, Spreaders). Many exclusive performance-boosting features.



Hydraulic Tailgate

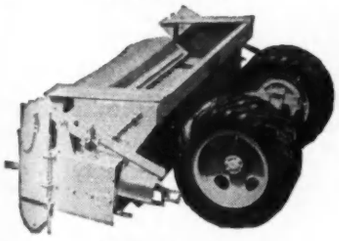


Tandem Trailer

TRAILER EQUIPMENT

Hercules Heavy-Duty Dump Bodies and Hydraulic Hoists are specially engineered for mounting on single axle, tandem axle, and 4-wheel trailers. Body lengths up to 20 feet; capacities to 25 tons.

4-Wheel Trailer



Cement Spreader

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Hercules Cement Spreaders for soil stabilization projects spread desired amounts evenly up to 10-ft. width. Advance-designed Hercules units for spreading cinders, salt, sand, and chips are also available.

Chip Spreader

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TESTERS, Fuel Pump—*continued*

Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schauer Mfg. Co., 4500 Alpine Ave., Rossmoyne, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Weidenhoff, Inc., Jos., Algona, Iowa.

TESTERS, Gasoline Mileage

Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Curtiss & Smith Mfg. Corp., 125 E. 4th St., Pottstown, Pa. "C. S."
Fischer & Porter Co., 700 County Line Rd., Hatboro, Pa. "Mileorator."
Gale-Hall Engrg., Inc., North Hampton, N. H. "Precision."
Gauthier, Donat A., 2970 W. Grand Blvd., Detroit, Mich. "Consometer," "Gauthier," "Vacomat."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Snow Plastics Corp., 5840 S. Oakley Ave., Chicago 36, Ill.

TESTERS, Headlight (Optical)

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing, Mich.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Heyer Industries, Inc., 471 Cortlandt St., Belleville 9, N. J.
Manbee Equipment, Div., Bear Mfg. Co., 1615 N. Wabash Ave., Chicago 1, Ill.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. "Rayoscope."

TESTERS, Inner Tube, See Tanks, Inner Tube Testing

TESTERS, Inspection for Cracks in Parts

Magnaflux Corp., 5900 NW Highway, Chicago 31, Ill. "Magnaflux," "Zyglo," "Stresscoat."
Northrop Aircraft Co., 1001 E. Broadway, Hawthorne, Calif.

TESTERS, Radiator

Fisher & Porter Co., 700 County Line Rd., Hatboro, Pa. "Flowrator."
Inland Mfg. Co., 1108 Jackson St., Omaha 8, Neb.

TESTERS, Spark Plug

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Acme Electric Corp., Cuba, N. Y.
Atmars-Mechanico, 3561 Lakeshore Ave., Oakland 10, Calif.
B. G. Corp., 136 W. 52nd St., New York 19, N. Y.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Champion Spark Plug Co., 900 Upton Ave., Toledo, Ohio.
Cropley Instruments, 10 S. River St., Aurora, Ill.
Fleetcraft, Inc., 111 W. Monroe Ave., Chicago 1, Ill.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Kant-Shok."
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Wudel Mfg. Co., Edmund J., 6082 Ferguson Dr., Los Angeles 22, Calif. "Vixen."

TESTERS, Valve and Clutch Spring

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio. (Valve.)
Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way."
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto." (For valve and clutch springs.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Sturtevant Co., P. A., Addison, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.

THERMOMETERS, Recording and Indicating

Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio.
Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Bristol Co., Waterbury 20, Conn.
Dillon Co., W. C., 14620 Keswick St., Van Nuys, Calif.
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Engelhard, Inc., Charles, 900 Passaic Ave., East Newark, N. J.
Foxboro Co., Neponset Ave., Foxboro, Mass.
Freas Glass Works, Francis L., 140 E. Ninth Ave., Conshohocken, Pa. (Battery.)
Gotham Instruments, Div. of American Machine & Metals, Inc., 233 Broadway, New York 7, N. Y.
Illinois Testing Laboratories, 420 N. LaSalle St., Chicago, Ill.
Kocour Co., 4800 S. St. Louis Ave., Chicago 32, Ill. (Indicating.)
Lewis Engineering Co., 339 Church St., Naugatuck, Conn.
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.

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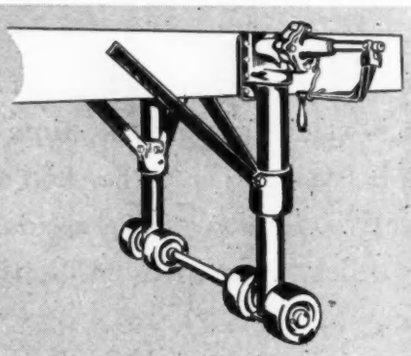

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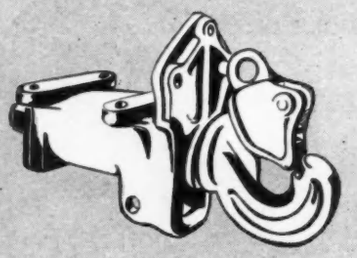

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Precision Thermometer & Instrument Co., 1465 Brandywine St., Philadelphia 30, Pa. "Princo." (Indicating.)
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Standard Dry Kiln Co., P. O., Box 5708, Indianapolis 21, Ind.
Taylor Instrument Companies, 95 Ames St., Rochester 1, N. Y.
Thwing-Albert Instrument Co., Penn St. & Pulaski Ave., Philadelphia 44, Pa.
United States Gauge Div., of American Machine & Metals, Inc., Sellersville, Pa.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J. "Max-Min."

THERMOSTATS

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Bishop & Babcock Mfg. Co., 4901 Hamilton Ave., N. E., Cleveland 14, Ohio.
Bridgeport Thermostat Div., Robertshaw-Fulton Co., 1225 Connecticut Ave., Bridgeport 1, Conn.
Burd Piston Ring Co., HaDees Heater Div., Tenth St. & 23rd Ave., Rockford, Ill. "HaDees."
Dole Valve Co., 1901 Carroll Ave., Chicago 12, Ill.
Evco Products Co., 160 W. 62 St., N. Y. 23, N. Y.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Flexon."
Fulton Sylphon Div., Robertshaw-Fulton Controls Co., W. Cumberland St., Knoxville 4, Tenn. "Sylphon," "Sylphon Autostat."
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
Hawk Tool & Engrg. Co., 20 W. Washington St., Clarkston, Mich. "Divert-A-Flo." (Sole distributors, Nason Co., 20 W. Washington St., Clarkson, Mich.)
Minneapolis-Honeywell Regulator Co., 2747 Fourth Ave., S., Minneapolis 8, Minn. "Honeywell's Moduflow" (control systems, for buses.)
Powers Regulator Co., 3400 Oakton St., Skokie, Ill.
Ranco, Inc., 601 W. 5th Ave., Columbus 1, Ohio.
Spencer Thermostat Div., Metals & Control Corp., 34 Forest St., Attleboro, Mass.
Standard-Thomson Corp., 216 S. Main St., Dayton 2, Ohio.
United Electro Control Co., 85 School St., Watertown 72, Mass.
United Motor Service, General Motors Bldg., Detroit 2, Mich.

THIRD AXLE UNITS, See Axle Units, Third, for Trucks

THREAD, Inserts

Groov-Pin Corp., 1125 Hendricks Causeway, Ridgefield, N. J.
Heli-Coil Corp., Shelter Rock Lane, Danbury, Conn.
National Screw & Mfg. Co., 2440 E. 75th St., Cleveland 4, Ohio.
Roylyn, Inc., 1706 Standard Ave., Glendale 1, Calif.
South Chester Corp., 1418 South Penn Square, Philadelphia 2, Pa.

THREAD RESTORING TOOLS, See Tools Thread Restoring

TIMING CHAINS, See Chains, Timing

TIRE, Branding Irons

Everhot Mfg. Co., 57 S. 19th Ave., Maywood, Ill.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.
Merkert & Sons, 146-10 Jamaica St., Jamaica, N. Y.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Vulcan Electric Co., 88 Holten St., Danvers, Mass.

TIRE BUFFERS, See Buffers, Tire (Electric)

TIRE CARRIERS, See Carriers, Tire

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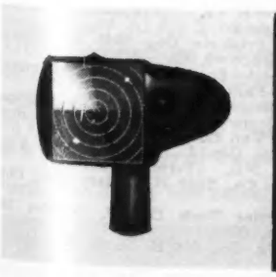

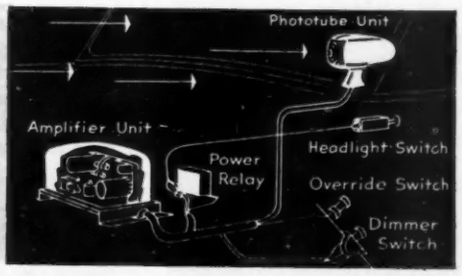

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TIRE CHAINS and EQUIPMENT, See Chains, Tire; also Adjusters, Tire Chains

TIRES, Pneumatic

Armstrong Rubber Co., 475 Elm St., West Haven 16, Conn.
Armstrong-Norwalk Corp., Glover Ave., Norwalk, Conn.
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Corduroy Rubber Co., Fuller Ave. & G. T. Tracks, Grand Rapids 1, Mich.
Dayton Rubber Co., 2342 W. Riverview Ave., Dayton 1, Ohio.
Denman Rubber Mfg. Co., Warren, Ohio.
Dunlop Tire & Rubber Corp., Sheridan Drive, Buffalo 7, N. Y.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Fisk Tire Co., Div. U. S. Rubber Co., 1230 Ave. of the Americas, New York 20, N. Y.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Inland Rubber Corp., 431 S. Dearborn St., Chicago 5, Ill.
Kelly-Springfield Tire Co., Cumberland, Md.
Laher Tire & Rubber Co., 26th & Magnolia Sts., Oakland, Calif.
Lee Rubber & Tire Corp., Conshohocken, Pa.
McCreary Tire & Rubber Co., Box 700, Indiana, Pa.
Mansfield Tire & Rubber Co., 515 Newman St., Mansfield, Ohio.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Mohawk Rubber Co., 1235 Second St., Akron 5, Ohio.
Pennsylvania Rubber Co., P. O. Box 377, Mansfield, Ohio.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Schenuit Rubber Co., Frank G., Railroad & Union Aves., Baltimore 11, Maryland.
Seiberling Rubber Co., Akron, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

TIRES, Solid

Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

TIRE GAGES, See Gages, Tire Pressure

TIRE INFLATORS, See Chucks, Air (Tire Inflating); also Meters, Air Tower

TIRE RECAPPING MOLDS, See Molds, Tire Recapping and Retreading

TIRE REGROOVERS, See Regroovers, Tire

TIRE REMOVING TOOLS, See Tools, Tire Removing and Replacing

TIRE REPAIR MATERIALS, See Compounds, Tire Repair

TIRE REPAIR TOOLS, See Tools, Tire

TIRE SPREADERS, See Tools, Tire Spreading

TIRE TREAD SERVICE

Hawkinson Co., Paul E., Winter St., Minneapolis, Minn.
Penetred Corp., Marshfield, Wis. (Steel coil tread.)
Webster Rubber Co., Warren, Ohio.

TIRE VULCANIZERS, See Vulcanizers, Portable and Vulcanizer, Shop

TOOLS, Battery Service

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill., (Terminal crimpers.)
Bergman Tool Mfg. Co., 1573 Niagara St., Buffalo 13, N. Y. "Blue Bird." (Pliers, terminal tools, etc.)
Bishman Mfg. Co., Osseo, Minn.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Champion DeArment Tool Co., 1306 S. Main St., Meadville, Pa. "Channellock." (Pliers and clippers.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 99, Ill.
General Scientific Equip. Co., 27th & Huntingdon Sts., Phila. 32, Pa.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis. (Terminal pullers.)
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lectrolite Corp., Hickory St., Defiance, Ohio. (Pliers and wrenches.)

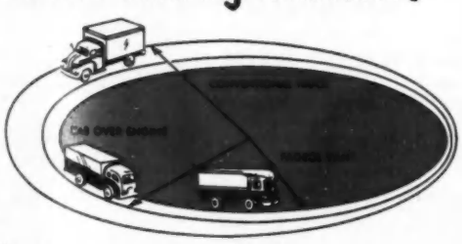
AKRON COFFEE & GROCERY CO. SPEEDS UP DELIVERIES...carries more payload in shorter trucks...gets greater revenue capacity... WITH FAGEOL VANS!

Model FV-20 Van used by Akron Coffee & Grocery Co. to speed up institutional and restaurant deliveries in Akron, Canton and Massillon area. Double jack-knife rear doors facilitate unloading in narrow, crowded areas.

→ Faster deliveries due to their ease of handling and maneuverability . . . bigger payloads on smaller trucks—these are Fageol Van advantages which spell added profits for progressive firms like the Akron Coffee & Grocery Co., Akron, Ohio.

In Fageol Vans, only 4 feet of the truck length is taken up by engine and cab. The rest carries profitable payload . . . from 200 to 500 MORE cubic feet than other trucks of equal length and wheelbase.

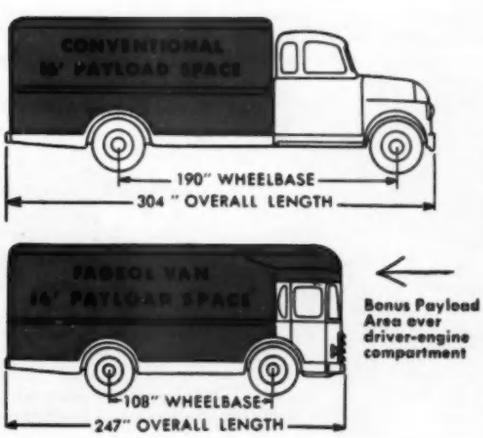
Easier to handle and park... Shorter turning diameter!



*The Fageol FV-20, with 108 inch wheelbase and 16 ft. payload space, has a turning radius of only 20 ft., 2 inches. By comparison, a 178 inch wheelbase conventional truck (with only a 14 ft. body) has a turning radius of 29 ft. A cab-over-engine truck with 129 inch wheelbase and 14 ft. body has a turning radius of 22 ft., 3 inches.

*Figures taken directly from official truck catalogs.

→ Here's What This Means in Dollars and "Sense"



If you carry heavy loads, you can transport 1,500 to 3,500 lbs. more payload in a Fageol Van than in another truck of the same length.

This means—on the basis of the accepted net profit ratio of $1 per lb. of truck payload per year—you can earn $1,500 to $3,500 more annually with each Fageol Van.

If you have big bulk loads, you can carry 200 to 500 cubic feet more merchandise in a Fageol Van.

Therefore, each Fageol Van will earn you $1,000 to $2,500 more per year. (Based on average profit valuation of $5 per cubic ft.)

Fageol Vans are sold through International Harvester motor truck dealers and branches throughout the country.

Write Dept. CCJ for Catalogs L-5494A and L-7317.

TWIN COACH COMPANY
KENT, OHIO

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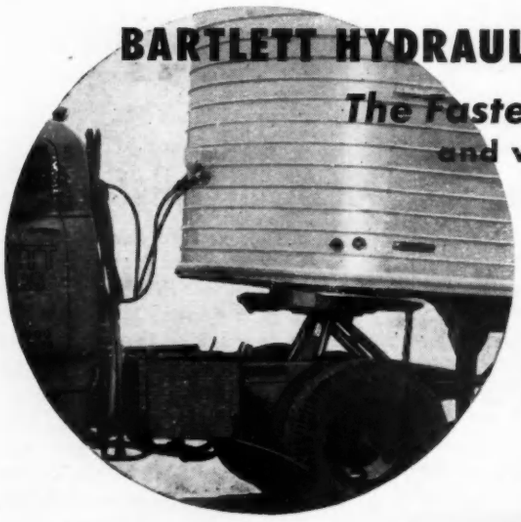
TOOLS, Bat. Service—*continued*

Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Calif. "C. & C."
Murray Corp., Towson 4, Md.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto." (Terminal pullers.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. (Terminal pullers.)
Utica Drop Forge & Tool Corp., 2500 Whitesboro St., Utica 4, N. Y. (Pliers.)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo. (Pliers.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

818 MILES PER HOUR
The unbelievable speed of 400 yards per second by the Deer Botfly.

BARTLETT HYDRAULIC 5th WHEEL

The Fastest Dock Spotter!
and with less effort, too!



This BARTLETT Speedy Helper Will: Spot in 5 Minutes instead of 20 . . . Cab Controlled—it saves driver's time climbing in and out of cab to wind up legs . . . Save valuable inches by closer dock parking . . . Guaranteed to cut spotting manpower —Pays for itself in ninety days . . . Sturdily Built to Minimize Maintenance . . . Lifts up to 50,000 lbs. 14 inches High.

AMONG THE MANY USERS:

Burlington Truck Lines
Consolidated Freightways
Darling & Company
East Texas Motor Freight
Fleet Maintenance
Fruit Belt Motor Service
Gordons Transport
Hines Lumber Company
Huber & Huber
Interstate Motor Lines
The Kroger Company
Lasham Cartage
Liberty Trucking Co.
Mid-States Freight Lines
National Tea Co.
Norwalk Truck Line
Pacific Intermountain Express
Peoria Cartage Co.
Scherer Freight Lines
The Willett Company

These Units Shipped Anywhere for Local Installation on any make Tractor.

Adapter Pin for Full Automatics available—Swings out of the Way.

BARTLETT TRAILER CORPORATION
3080 ARCHER AVE. • CORNER OF ASHLAND • CHICAGO 8 • VIRGINIA 7-1160

TOOLS, Body and Fender Repair (Hand)

A-B-C Mfg. Co., 2757 N. Ruth St., Phila. 34, Pa.
Acorn Mfg. Co., 33rd & Reed Sts., Erie, Pa. "Amco."
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Ausco."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Chicago Tool & Kit Mfg. Co., 667 W. Randolph St., Chicago 6, Ill. (Hammers.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Fairmount Tool & Forging Co., 10611 Quincy Ave., Cleveland 6, Ohio.
Heller Bros. Co., 865 Mt. Prospect Ave., Newark 4, N. Y. "Vixen." (Files, etc.)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Keysco Mfg. Co., 1244 E. 12th St., Oakland 6, Calif.
New Britain Machine Co., South St., New Britain, Conn.
Nicholson File Co., 23 Acorn St., Providence 1, R. I. "Nicholson Superior." (Files.)
Nolvex File Co., 10329 Detroit Ave., Cleveland 2, Ohio. (Body files.)
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto."
Penn Fibre & Specialty Co., 2024 E. Westmoreland St., Philadelphia 34, Pa.
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Porter-Ferguson." (Hand.)
Rivette Mfg. Co., 1515 Rothwell Ave., Houston, Tex. "Fndrol." (Hand.)
Roberts Toledo Rubber Co., Prospect & MC R. R., Toledo 6, Ohio. (Rubber hammers.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Snyder Mfg. Co., 22nd & Ontario Sts., Philadelphia 40, Pa.
Stream Line Tools, Inc., Highway 70, Conover, N. C.
Swiss Laboratory, 1533 Hamilton Ave., Cleveland 14, Ohio.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

TOOLS, Body and Fender Repair (Portable Electric)

Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y.
Red Devil Tools, Colt St., Irvington 11, N. J.

TOOLS, Body and Fender Repair (Portable Hydraulic)

Bear Mfg. Co., 21st St., & Fifth Ave., Rock Island, Ill. "Flex-O-Power."
Bee-Line Co., P. O. Box 569, Davenport, Iowa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Porto-Power."
Hein-Werner Corp., 1200 National Ave., Waukesha, Wis. "Hein-Werner Push & Pull."
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Porter-Ferguson."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.

TOOLS, Body and Fender Repair (Portable Pneumatic)

American Gage Corp., 139 17th Ave., Paterson, N. J.
Bear Mfg. Co., 21st & Fifth Ave., Rock Island, Ill.
Borm Mfg. Co., 23 N. Union St., Elgin, Ill. "Elgin." (Hammers.)
Brown Tool Mfg. Co., 9422 Trenton Ave., St. Louis 14, Mo. "Air Quick."
Cornwell Quality Tools Co., Mogadore, Ohio.
Sauschild Mfg. Co., F. J., 540 Main St., Oneonta, N. Y. "Rams-Head."
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis. (Hammers.)
Seiden Pneumatic Tool Co., 419 Barrett St., Jackson, Mich.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor" (Hammers.)
Watervliet Tool Co., 1349 Broadway, Albany 1, N. Y.

L BUYERS
NUMBER

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St., Phila. 34,
Sts., Erie, Pa.
Graves St., St.
Tilghman &
667 W. Ran-
Hammers.)
Kildare Ave.,
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10611 Quincy
Prospect Ave.,
(Files, etc.)
brand Corp.,
Ohio. "Her-
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St., Providence
r." (Files.)
Ave., Cleveland
Box 5926, Mil-
Ave., Los An-
2024 E. West-
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Repair (Port-
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419 Barrett St.,
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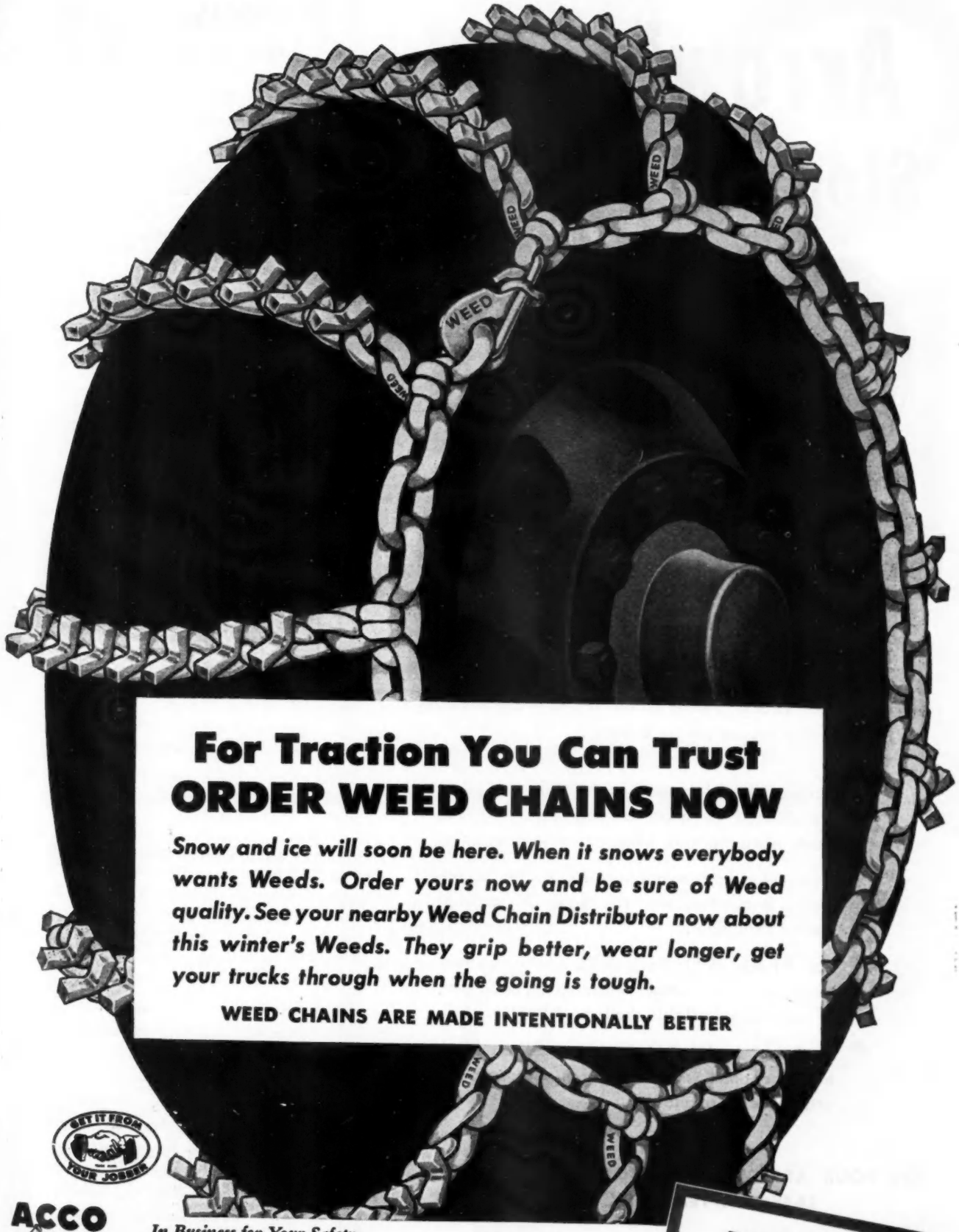
roadway, Albany

November, 1953



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ORDER WEED CHAINS NOW

Snow and ice will soon be here. When it snows everybody wants Weeds. Order yours now and be sure of Weed quality. See your nearby Weed Chain Distributor now about this winter's Weeds. They grip better, wear longer, get your trucks through when the going is tough.

WEED CHAINS ARE MADE INTENTIONALLY BETTER

GET IT FROM YOUR JOBBER

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In Business for Your Safety

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WEED TIRE CHAINS

York, Pa., Atlanta, Chicago, Denver, Los Angeles, New York, Philadelphia, Pittsburgh, Portland, San Francisco, Bridgeport, Conn.

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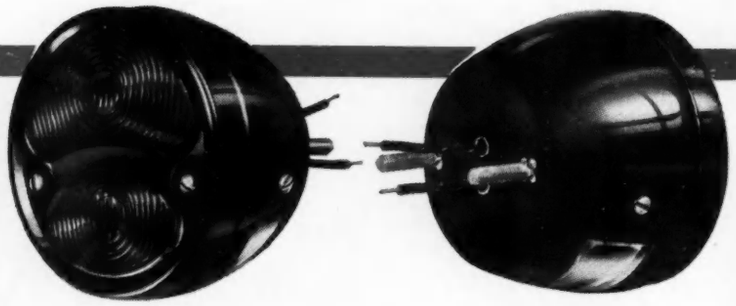
Arrow's *new, improved* Stop and Tail Light



FRONT VIEW REAR VIEW

Model 41 Stop and Tail: 3⅜" glass lens; 4" overall; 3¾" depth

Here's a new, better version of an old favorite—a stop and tail light that's been used by thousands over the years. There's no better replacement light on the market. Here's why:

- More powerful output—new glass lens and repositioned filaments issue a clear warning even when light is covered with road dirt.
- New clear lens completely illuminates license plate; 3 candlepower tail light; 21 candlepower stop light.
- Fits all trucks and trailers, and is easily mounted. Newly designed simple mounting arrangement, 2" spaced adjustable bolts and center leads.
- Available in black baked enamel or black baked enamel with chrome rim. License plate bracket also available.

SEE YOUR ARROW JOBBER TODAY FOR THE BEST IN SAFETY AFTER DARK EQUIPMENT

ARROW
SAFETY AFTER DARK

Arrow Safety Device Company
Mt. Holly, New Jersey

•TOOLS

TOOLS, Brake Cylinder Cleaning and Polishing

Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

TOOLS, Brake Spring Removing & Replacing

Barrett Equipment Co., 21st & Cass, St. Louis 6, Mo.
Cornwell Quality Tools Co., Mogadore, Ohio.
Krome Co., 39 Mulberry St., Reading, Pa. (Compressors.)
Nasa Tool Mfg. Corp., New Vienna, Ohio.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Utica Drop Forge & Tool Corp., 2500 Whitesboro St., Utica, N. Y. (Pliers.)
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Superrench."

TOOLS, Brake Bond Testing

Permafuse Corp., 12 Commercial Ave., Garden City, N. Y.

TOOLS, Clutch Alignment

(See also Machines, Clutch Rebuilding)

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Rovtar Tool Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

TOOLS, Contact Point Reconditioning

Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Guaranteed Parts Co., Seneca Falls, N. Y.
Heller Bros. Co., 865 Mt. Prospect Ave., Newark, N. J.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin'."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Miller Co., L. B., 394 State St., Stamford, Conn.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
New Britain Machine Co., South St., New Britain, Conn.
Nolvex File Co., 10329 Detroit Ave., Cleveland 2, Ohio.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Rinck-McIlvaine, Inc., 16 Hudson St., New York 13, N. Y. (Rimac.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Tacony File & Hardware Co., 2814 N. Fourth St., Philadelphia 33, Pa. "Contacto," "Ideal," "Tungsto," "Taconite," "Vim."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

To get 50% to 80% more service out of fan belts look for this "T"

The "T" is your assurance of a belt Specially Engineered for Trucks and Buses

From coast to coast men who maintain trucks and buses have stated *in writing* that Gates "T" Belts wear 50% to 80% longer than any others they have used.

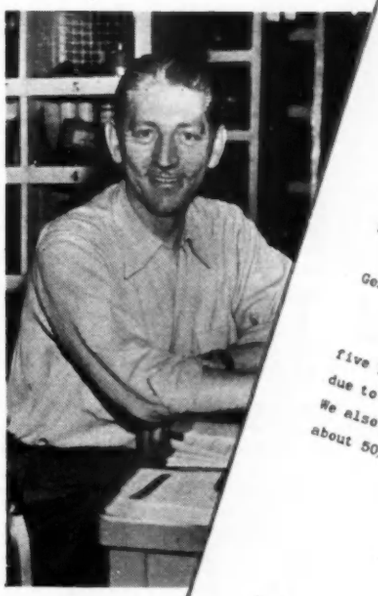
For example, Walter Cholewinski, purchasing agent for the Allegheny Construction Equipment Co. of Pittsburgh, says in his letter shown here, that they get 50% greater service life from Gates Belts and that road service to trucks with belt failures has been greatly reduced.

This means that trucks stay on schedule...*net operating time is kept UP*...revenues, profits are increased.

Naturally, the far longer life of Gates Belts saves money on replacement costs, too—users report that their belt replacement costs are cut in half and often far more than half.

Install Gates Belts on your equipment and match their record against any other belt you have used—prove to yourself the cost-cutting, money-making performance of this specially engineered belt. Your nearby Gates jobber will supply you promptly with the Gates belts you need. The Gates Rubber Co., Denver, Colorado—*World's Largest Maker of V-Belts.*

A-33



ALLEGHENY CONSTRUCTION EQUIPMENT COMPANY

The Gates Rubber Co.
999 So. Broadway
Denver, Colorado

March 11, 1952

Gentlemen:

Having used Gates belts for the last five years, we have found that our road service due to belt failure has been greatly reduced. We also find that our belt service life is about 50% greater with the Gates Belts.

Very truly yours,

ALLEGHENY CONSTRUCTION EQUIPMENT CO.

W. Cholewinski

Walter Cholewinski
Purchasing Agent

wc/s

• • • tough, multiple-ply cover developed by world's largest maker of V-Belts.

• • • built with rayon cords—the same kind used to increase the life of Truck tires.

Gates®

The mark of Specialized research

GATES TRUCK & BUS V-BELTS

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TOOLS, Cylinder Reboring (Portable)

(See also Hones, Cylinder; also Deglazers, Cylinder)

Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rottler Boring Car Co., 1727 First Ave., S., Seattle 4, Wash.
St. Louis Tool Co., 6100 Prescott St., St. Louis 15, Mo. "St. Louis Superior." "S-L."
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex.
Van Norman Co., 2640 Main St., Springfield 7, Mass. "Per-fect-O."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

TOOLS, Flexible Shaft

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Ballon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif.
Balmar Corp., N. A., Strand Div., 3500 Clipper Mill Rd., Woodberry, Baltimore 11, Md. "Strandflex."
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Flexmaster."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y.
Dixon, Inc., Wm., 32 S. Kinney St., Newark 1, N. J.
Dunmore Co., 1300 17th St., Racine, Wis.
Haskins Co., R. G., 2651 W. Harrison St., Chicago 27, Ill.
Jarvis Co., Chas. L., Middletown, Conn.
Jefferson Engrg. & Mfg. Co., 269 Walker St., Detroit 7, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. "Martindale Motorflex."
Pratt & Whitney, Div., Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn. "Kellerflex."
Precise Products Corp., 1328 Clark St., Racine, Wis. "Colorflex."
Stow Mfg. Co., 38 Shear St., Binghamton, N. Y.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.
Walker-Turner Div., Kearney & Trecker Corp., 639 South Ave., Plainfield, N. J.
Wyzenbeek & Staff, Inc., 223 N. California Ave., Chicago 22, Ill. "Wyco."

TOOLS, Hand

Agner Simplex Co., 106 Pine St., Burlington, Wis. "Simplex."
Apco Mossberg Co., Lamb St., Attleboro, Mass. "Mossberg."
Apex Machine & Tool Co., 1025 Patterson Blvd., Dayton, Ohio.
Armstrong Bros. Tools Co., 5200 Armstrong Blvd., Chicago 30, Ill.
Armstrong Mfg. Co., 303 Knowlton St., Bridgeport 8, Conn.
Atmars Tool Co., 2411 Chestnut St., Oakland 7, Cal.
BMC Mfg. Co., 5 Griswold St., Binghamton, N. Y.
Bath & Co., John, 18 Grafton St., Worcester, Mass.
Bay State Tap & Die Co., Chauncey St., Mansfield, Mass.
Beall Tool Div., Herbrand & Co., East Alton, Ill. (Ratchet.)
Bergman Tool Mfg. Co., 1573 Niagara St., Buffalo 13, N. Y. "Bluebird."
Besley & Co., Chas. H., 118 N. Clinton St., Chicago 6, Ill.
Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn. "Vitalloy."
Blackhawk Mfg. Co., 5325 W. Rogus St., Milwaukee 1, Wis. "Blackhawk," "Nugget."
Boker & Co., 101 Duane St., New York, N. Y.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Bremil Mfg. Co., 1700 Pittsburgh Ave., Erie, Pa. "All-Alloy."
Bridgeport Hardware Mfg. Corp., 461 Iranistan Ave., Bridgeport, Conn. "Blue-Forge," "Hy-Bar."
Brubaker & Bros., Co., W. L., Millersburg, Pa.
Buckeye Reliner Producing Co., 637 N. Jackson St., Lima, Ohio. (Rubber mallets.)
Callahan Mfg. Co., 90 Halton St., Danver, Mass.
Cal-Van Machine Products, Inc., 1809 S. Water St., Jackson, Miss.
Card Mfg. Co., S. W. Div., Union Drill Co., Rumford Ave., Mansfield, Mass.
Chicago Tool & Kit Mfg. Co., 667 W. Randolph St., Chicago 6, Ill. "C-T-K."
Cincinnati Tool Co., 1967 Waverly Ave., Cincinnati 12, Ohio. "Hargrave."
Cleveland Steel Tool Co., 660 W. 82nd St., Cleveland, Ohio.
Cornwell Quality Tool Co., Mogadore, Ohio.
Conant & Donelson Co., Conway, Mass.
Continental Rubber Works, 1902 Liberty St., Erie, Pa. "Vitalic."
Curtiss & Smith Mfg. Corp., 22 High St., Pottstown, Pa. "CS." (Wheel bearing adjusting nut.)
Danielson Mfg. Co., Danielson, Conn. "Danco."
Delaware Tool Steel Corp., 3300 Market St., Wilmington 99, Del. "Delsteel."
Division Lead Co., 836 W. Kinzie St., Chicago, Ill. "Divco." (Lead and babbitt.)
Dixon, Inc., William, 32 E. Kinney St., Newark, N. J.
Duro Metal Products Co., 2649 N. Kildare St., Chicago 39, Ill. (Duro Chrome.)
Fairmount Tool & Forging Co., 10611 Quincy St., Cleveland 6, Ohio.
Forsberg Mfg. Co., 125 Seaview Ave., Bridgeport, Conn. "Whale."
G. M. Mfg. Co., 43-10 21st St., Long Island City, L. I., N. Y.

TOO LITTLE to notice!

detected TOO LATE!

This spindle looked good, until inspection with Magnaflux-Magnaglo revealed this crack—a glowing warning of approaching failure.

The operator of this trucking company prided himself on maintenance. During overhauls every part was inspected carefully (visually, that is). But in this spindle there was a tiny, invisible crack. Human eyes couldn't see it. But it was there, nevertheless—and one day the spindle snapped!

Inspection with Magnaflux would have prevented this costly accident. Magnaflux instantly spots all invisible cracks—makes them *visible and unmistakable!* Hundreds of leading truck and bus operating companies include inspection with Magnaflux as routine with every overhaul. They use it not only on parts in service but on new replacement parts as well . . . on differential gears, crankshafts, connecting rods, steering knuckles, engine blocks, even engine bolts!

These companies prove that inpection with Magnaflux saves them money, all but eliminates road failures and delays from part failure.

It can help you, too! Make inspection with Magnaflux a requirement on every overhaul by machine shops serving you—in all your preventive maintenance.

MAGNAFLUX

INSPECTION WITH MAGNAFLUX IS AVAILABLE TO YOU THROUGH NATIONWIDE MAGNAFLUX-LICENSED OVERHAUL SHOPS AS WELL AS MAGNAFLUX' OWN LABORATORIES. WRITE US FOR THE LOCATION OF SHOP NEAREST TO YOU.

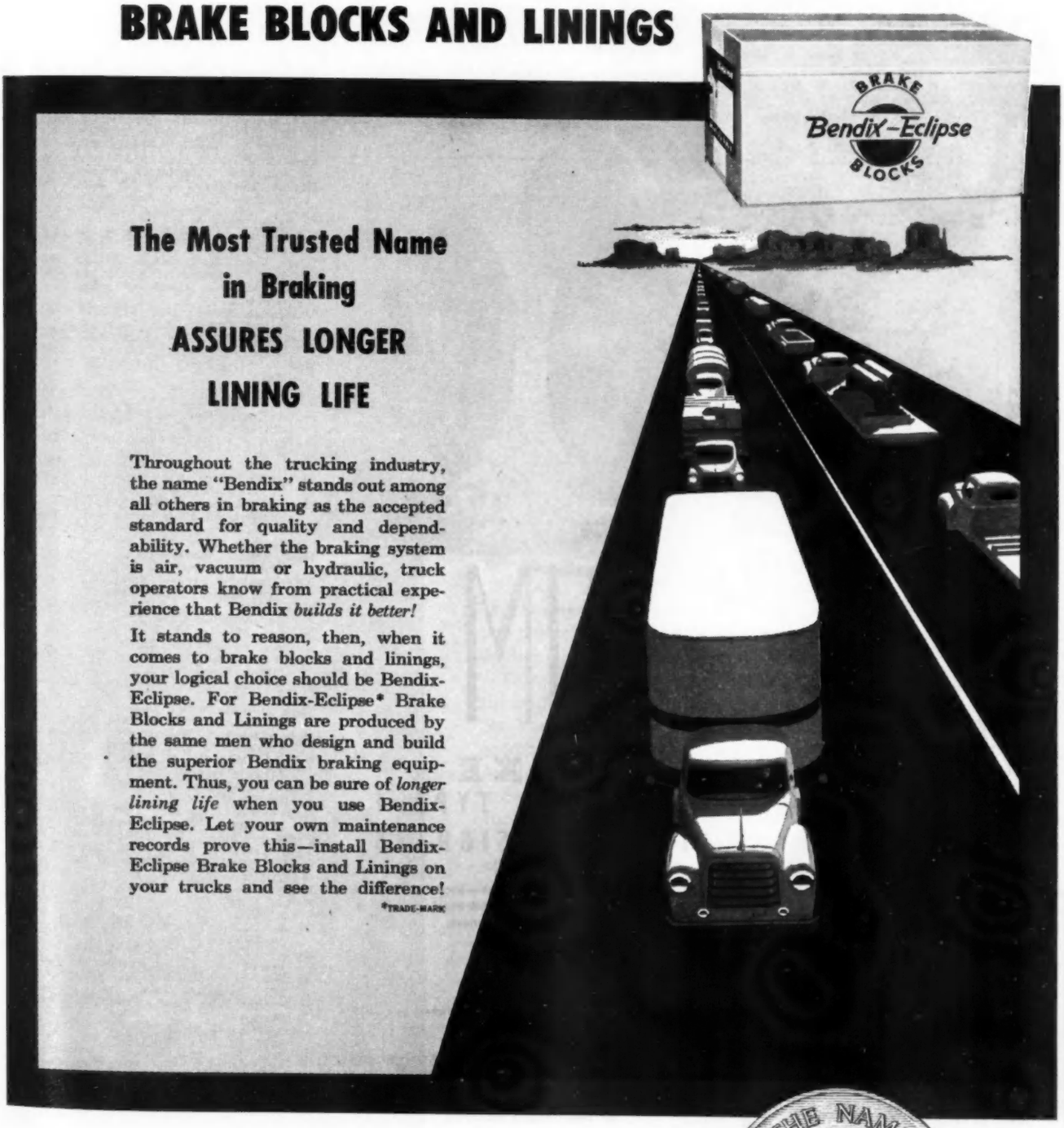
Reg. U. S. Pat. Off.

DETECTS DEFECTS

MAGNAFLUX CORPORATION
7308 W. Lawrence Avenue • Chicago 31, Illinois
New York 36 • Cleveland 15 • Detroit 11 • Dallas 9
Pittsburgh 36 • Los Angeles 58

Bendix-Eclipse

BRAKE BLOCKS AND LININGS



The Most Trusted Name in Braking ASSURES LONGER LINING LIFE

Throughout the trucking industry, the name "Bendix" stands out among all others in braking as the accepted standard for quality and dependability. Whether the braking system is air, vacuum or hydraulic, truck operators know from practical experience that Bendix *builds it better!*

It stands to reason, then, when it comes to brake blocks and linings, your logical choice should be Bendix-Eclipse. For Bendix-Eclipse* Brake Blocks and Linings are produced by the same men who design and build the superior Bendix braking equipment. Thus, you can be sure of *longer lining life* when you use Bendix-Eclipse. Let your own maintenance records prove this—install Bendix-Eclipse Brake Blocks and Linings on your trucks and see the difference!

*TRADE-MARK

MARSHALL-ECLIPSE DIVISION OF

TROY, NEW YORK

THE NAME Bendix AVIATION CORPORATION MILLIONS TRUST

TOOLS, Hand—continued

Gasket, Packing & Specialty Co., 298 Broadway, New York, N. Y. (Lead, babbitt, copper, rubber, etc.)

Geometric Tool Co., Div. of Greenfield Tap & Die Corp., Blake & Valley Sts., New Haven 15, Conn. (Solid adjustable.)

Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. (Rubber mallet.)

Goodyear Tire & Rubber Co., E. Market St., Akron, Ohio.

Greene, Tweed & Co., North Wales, Pa. "Bosa," "Empire." (Plastic.)

Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "GTD."

Hanson-Whitney Machine Co., 169 Bartholomew Ave., Hartford 2, Conn. "HW."

Heller Bros. Co., 865 Mt. Prospect Ave., Newark 4, N. J.

Hendry Co., C. J., 27 Main St., San Francisco 5, Calif. "Tac."

Henry & Allen, Inc., 2 Wadsworth St., Auburn, N. Y. "Red Nut," "Silver Nut."

Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."

Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.

DIETZ presents the new SLIM

DELUXE
CLASS "A" TYPE 1
DIRECTION SIGNALS

THE REGULAR MODEL DIETZ CLASS "A" TYPE 1 DIRECTION SIGNALS

No. 186 DOUBLE FACE · No. 181 SINGLE FACE · No. 191 FLUSH MOUNTING

Lower price model featuring Stimsonite Lenses, single hollow stud mounting, snap ring lens retainer. Available with burn-out proof, self-cancelling or non-cancelling Switches.

Exceed latest S.A.E. Specifications—State Approved ● Tested by Electrical Testing Laboratories, Inc. ● Scientifically designed Stimsonite Lenses.

SLIM 2⅛" in depth

SLEEK No openings to let in water and dirt

STURDY Single hollow stud mounting—no excessive vibration

PRACTICAL Only one brass screw to service bulb or lens—round mounting.

SWITCH Burn-out proof, self-cancelling or non-cancelling

R. E. DIETZ COMPANY ● 225 WILKINSON ST. ● SYRACUSE 1, N. Y.

OVER A CENTURY OF Safety LIGHTING DIETZ

Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis, Minn. (Impact for buses, trucks, and trailer wheels.)

Jergans Tool Specialty Co., 712 E. 163rd St., Cleveland 10, Ohio. (For White trucks only.)

K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.

Kaalot Mfg. Co., 3927 N. Kedzie Ave., Chicago 18, Ill. (Buckskin fabric.)

Kennedy Service Tools, Inc., P. O. Box 38, Mogadore, Ohio. (Rubber, fibre, plastic.)

Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.

Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.

Keystone Reamer & Tool Co., Millersburg, Pa.

Lambert Products, Inc., 513 Hunter Ave., Dayton, Ohio. "Budnut." (Wheel.)

Landis Machine Co., Fifth & Church Sts., Waynesboro, Pa. (Solid Adjustable.)

Larson Tool & Stamping Co., Olive St., Attleboro, Mass.

Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.

Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin." (Rubber mallets.)

Lufkin Rule Co., Hess Ave., Saginaw, Mich. (Center.)

Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. (Rawhide.)

Matticks Mfg. Co., 4156 E. Pacific Way, Los Angeles 23, Calif. "Turner." (Rubber.)

Mayhew Steel Products, Inc., Shelburne Falls, Mass.

Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."

Metal Engineering Co., 134 N. La Salle St., Chicago 2, Ill. "Meteo."

Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.

Millers Falls Co., Greenfield, Mass. (Brass.)

Morse Twist Drill & Machine Co., 163 Pleasant St., New Bedford, Mass.

Murchey Machine & Tool Co., 12800 Puritan St., Detroit, Mich. (Solid and Adjustable.)

National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.

New Britain Machine Co., South St., New Britain, Conn.

New England Pressed Steel Co., Washington Ave., Natick, Mass. "Nepsco."

New Plastic Corp., 1017 N. Sycamore Ave., Los Angeles, Calif. "Nupla."

Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.

Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."

P & C Hand Forged Tool Co., Box G, Milwaukie, Ore.

Park Metalware Co., Thorne Ave. & B. R. & P. Tracks, Orchard Park, N. Y. "Excel."

Peck, Stowe & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."

Peterson Mfg. Co., De Witt, Neb. "Vise-Grip." (Toggle type.)

Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto."

Polaris Products, Inc., 1006 S. Barclay St., Milwaukee, Wis. "Speedgrip."

Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford, Conn.

Quality Tool Corp., New Wilmington, Pa. "Oldforge."

Reiff & Nester Co., Lykens, Pa.

Reltool Corp., 712 W. Michigan St., Milwaukee 3, Wis.

Rhode Island Tool Co., 148 W. River St., Providence 1, R. I.

Richards Co., J. A., 903 N. Pitcher St., Kalamazoo 13F, Mich. (Rubber products.)

Roberts Toledo Rubber Co., Prospect & MC RR., Toledo 6, Ohio.

St. Pierre Chain Corp., Frank St., Worcester, Mass.

Sherman-Klove Co., 3535 W. 47th St., Chicago 32, Ill. "S-K."

Smith & Sons, Inc., Seymour, Oakville, Conn. "Snap-Lock." (Sole distributors, John H. Graham & Co., 105 Duane St., New York, N. Y.)

Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point," "Snap-On."

Standard Tool Co., 6900 Central Ave., Cleveland 4, Ohio. "Shield Brand."

Stanley Tools, 111 Elm St., New Britain, Conn.

Starrett Co., L. S., 1 Crescent St., Athol, Mass.

Stevens-Walden, Inc., 475 Shrewsbury St., Worcester, Mass. "Walden-Worcester."

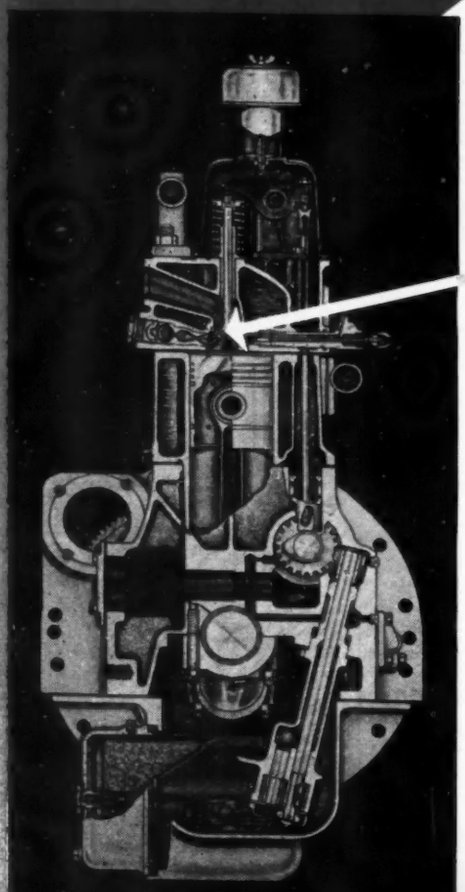
Stortz & Son, John, 210 Vine St., Philadelphia 6, Pa.

Sweeney Mfg. Co., B. K., 1601 23rd St., Denver, Colo. "Powerench."

Tri-Grip Co., 2053 Twelfth St., Cuyahoga Falls, Ohio.

Trimont Mfg. Co., Div. of Aetna Industrial Corp., 55 Armory St. (Roxbury), Boston, Mass. "Trimo."

AN OUTSTANDING NEW Lanova LICENSEE . . .



Cutaway view of the Model U diesel engine. The characteristic energy cell design of the Lanova combustion chamber is indicated by the arrow.

AN OUTSTANDING NEW DIESEL DEVELOPMENT

The Minneapolis-Moline Model U Tractor is making its debut . . . a powerful, sturdy addition to the world-famous Minneapolis-Moline line of agricultural and industrial equipment.

One of the newsworthy features of the Model U tractor's diesel power unit is its combustion chamber design, developed for Minneapolis-Moline in Lanova Corporation testing and research laboratories. M-M engineers selected the Lanova combustion system because its high turbulence and controlled progressive fuel burning characteristics make is especially suitable for this type of service.

To users of the new Model U tractor this means high fuel efficiencies and smooth, low-cost, dependable power — advantages that are inherent in all diesels that use the Lanova combustion chamber design.

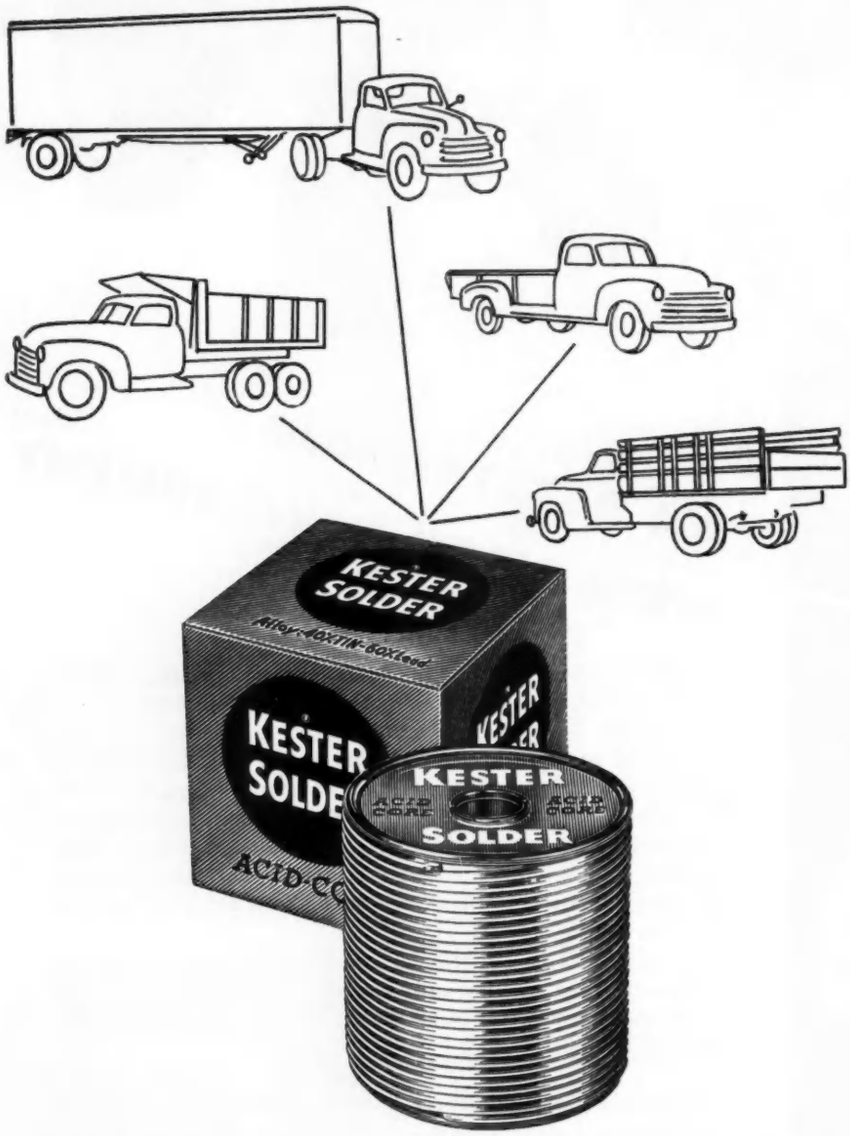
The inside story of Diesel Engine Combustion
The 58-page Lanova Handbook provides a practical, factual approach to the importance of combustion in the modern high-speed diesel. Write for a free copy.

LANOVA CORPORATION 38-15 30th Street, Long Island City 1, N. Y.
Address Dept. 1

Lanova

One of America's foremost names in diesel research and development

FORGET THE REST...



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KESTER SOLDER

KESTER SOLDER COMPANY
4205 WRIGHTWOOD AVENUE, CHICAGO 39, ILLINOIS
NEWARK 5, NEW JERSEY • BRANTFORD, CANADA

TOOLS, Hand—*continued*

Truth Tool Co., 711 S. Front St., Mankato, Minn.
Tuck Mfg. Co., 74 Ames St., Brockton, Mass.
Union Tool Co., 48 E. River St., Orange, Mass.
Union Twist Drill Co., Monroe St., Athol, Mass.
Union Twist Drill Co., Butterfield Div., Derby Line, Vt.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York, N. Y.
Ushco Mfg. Co., 135 Tonawanda St., Buffalo 7, N. Y. "Ushco-Lawson."
Utica Drop Forge & Tool Corp., 2500 Whitesboro Rd., Utica 4, N. Y.
Vaco Products Co., 317 E. Ontario St., Chicago 11, Ill. (Plastic.)
Vermont Tap & Die Corp., Main & Grove Sts., Lydonville, Vt.
Vlchek Tool Co., 3001 E. 87th St., Cleveland, Ohio.
Walworth Co., 60 E. 42nd St., New York 17, N. Y. "Genuine Stillson," "Walco."
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.
Whitaker Mfg. Co., 409 S. Greene St., Chicago, Ill.
Whitman & Barnes, Div. of United Drill & Tool Corp., Plymouth, Mich. (Interchangeable.)
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Supersocket."
Wiss & Son Co., J., 33 Littleton Ave., Newark, N. J.
Wood & Spencer Co., 1930 E. 61st St., Cleveland 3, Ohio.
Wright Tool & Forge Co., 42 E. State St., Bakerton, Ohio.
Zoerman-Clark Mfg. Co., Jackson, Mich.

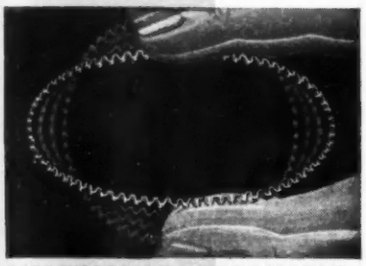
TOOLS, Ignition

Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn. "Vitalloy."
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Foster Mfg. Co., 287 Delaware Ave., Buffalo 2, N. Y.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Metal Engrg. Co., 134 N. LaSalle St., Chicago, Ill.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2009 Santa Fe Ave., Los Angeles, Calif. "Proto."
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Shaw Co., Joseph, 6225 Benore Rd., Toledo 12, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Snap-On," "Blue Point."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Superrench."

TOOLS, Piston Pin Removing and Installing

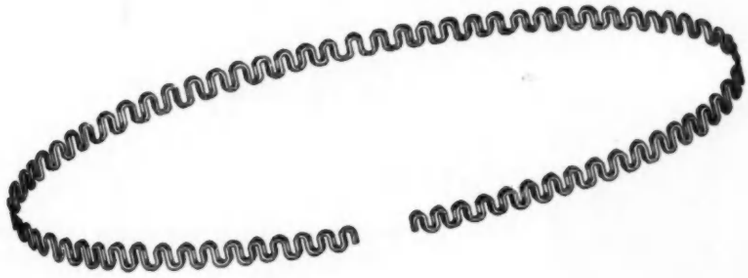
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Cornwell Quality Tools Co., Mogadore, Ohio.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (For Ford cars.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
New Britain Machine Co., South St., New Britain, Conn.

Pedrick FORMFLEX gives you not only CHROME but the exclusive "EQUALIZER" as well!



AMAZINGLY CONFORMABLE

An engineering test shows that a ring rail backed by the "Equalizer" maintained contact with the wall of a cylinder through more than *5 times* greater distortion than a rail backed with a hump-type expander!



UNIFORM PRESSURE

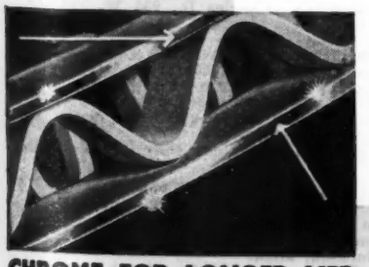
The ends of the "Equalizer" butt, compressing it into the cylinder, squeezing each of more than 50 bends and producing absolutely uniform pressure around the entire circumference . . . no high or low pressure points.

The Pedrick "EQUALIZER" is completely different from old-fashioned hump-type expanders. It contacts the ring rails all the way around, not just at 7 or 8 humps. It is a sensational development in expander design, operation, performance and life. The soft, uniform and positive tension it exerts at every point of the cylinder wall assures a far better seal under extreme conditions.

Never before such Oil Control . . . Gas Mileage . . . Long Life!

WILKENING MANUFACTURING CO., PHILA. 42, PA.

In Canada: Wilkening Manufacturing Co. (Canada) Ltd., Toronto

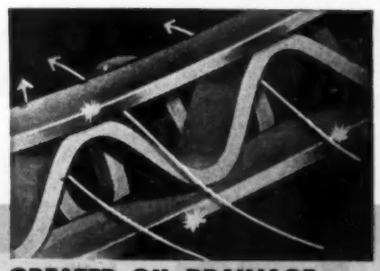


CHROME FOR LONGER LIFE

Faces of the two flexible steel rails are hard chrome plated for 2 to 4 times longer life.

GROOVE-DEPTH FREEDOM

The "Equalizer" does not rely on pressure against the groove bottom for its tension, eliminating the problem of variations in groove depth which affects the efficiency of hump-type expanders.



GREATER OIL DRAINAGE

The design of the "Equalizer" and the Formflex spacer provides more than 2 to 3 times greater area than any other oil ring.

GET IT FROM YOUR JOBBER

TOOLS, Pin Removing—*continued*

Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

TOOLS, Piston Ring Compressing

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich. "A.S.C."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "A.A.D."
Atmars Mechanics, 3561 Lakeshore Ave., Oakland 10, Calif.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Master Signal Co., 2465 W. Grand River Ave., Howell, Mich. "Master," "Standard."
Miller Co., L. B., 394 State St., Stamford, Conn.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
P. & C. Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stromgren Co., Charles D., 935 W. 12th St., Los Angeles 15, Calif. "Sta-Put."
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

TOOLS, Piston Ring Groove Cleaning

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich. "A.S.C."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Master Signal Co., 2465 W. Grand River Ave., Howell, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Peterson Co., Paul, 1313 W. Randolph St., Chicago 7, Ill. "Webco."
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stromgren Co., Charles D., 935 W. 12th St., Los Angeles 15, Calif. "Sta-Put."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut." (Regrooving & cleaning lathe.)
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

TOOLS, Spring Spreading

Mesco Products, Crete, Nebr.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

TOOLS, Thread Restoring

Armstrong Mfg. Co., 225 Lafayette St., New York, N. Y.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Buckingham Mfg. Co., Inc., 7 Travis St., Binghamton, N. Y.
C. & G. Wheel Puller Co., Scio, N. Y.
Cornwell Quality Tools Co., Mogadore, Ohio. (Axle.)

Now - at last a quick and easy way to remove stuck or frozen tires

No beating or pounding for hours. No aching backs and no lost profit. The BOS Demounter will remove the most stubborn truck tire from the toughest rim.

- Handles all sizes truck tires 15" to 24"
- Portable—Used in the Shop or for Road Service
- Features Hein-Werner Hydraulic Unit, 6,000 lbs. Pressure
- Prevents Damage to Rim and Tire
- Safe—Protects Operator from Injury
- Precision Built of the best Steel

A—Attach BOS Demounter

B—Raise to Vertical Position

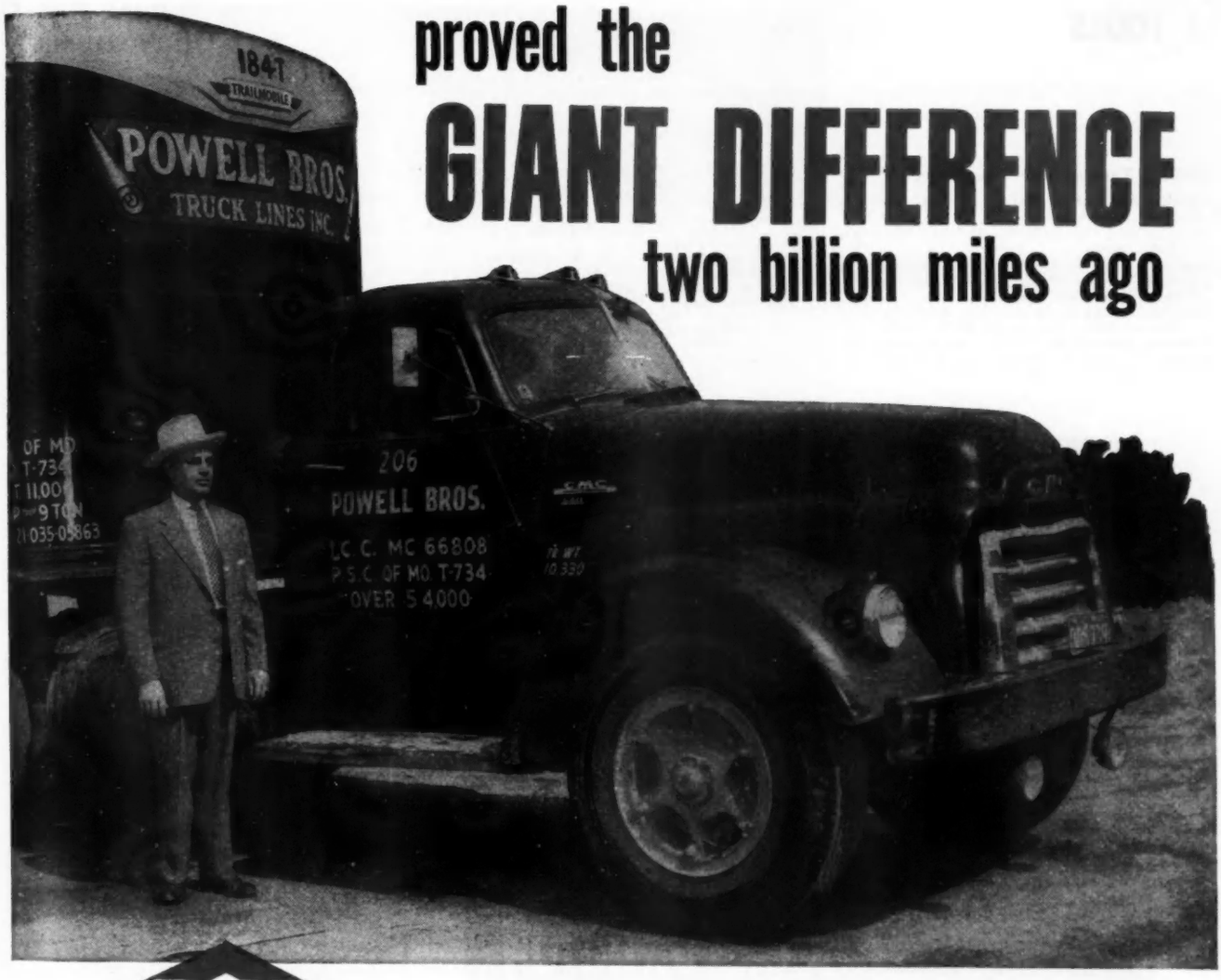
C—Pump Handle

TIME SAVER FOR TRUCKS: MONEY MAKER FOR DEALERS

BOS Tool Co.
PENNS GROVE, NEW JERSEY

MAIL ORDERS OR REQUEST FOR FURTHER DETAILS TO

proved the GIANT DIFFERENCE two billion miles ago



D-X

"Twenty years and two billion miles ago," says Hyler E. Shreve, vice-president of Powell Bros. Truck Lines in Springfield, Mo., "we tried D-X Motor Oil . . . put it through hard tests by running it in our tractors pounding out an average of 255 miles per night."

Valve troubles in Powell Bros. trucks cleared up "almost immediately," and engine overhauls "went down to a minimum" with D-X on the job, reports Mr. Shreve. And this Giant Difference in lower maintenance costs and longer oil service made a confirmed D-X user of Powell Bros. from then on.

Why don't *you* look into D-X Motor Oils with Extrinol? Learn how they can help you save on oil consumption, save on fleet upkeep. If you live in the Midwest, call your D-X distributor or bulk station now. Try D-X on our money-back guarantee.

new, stepped-up D-X motor oils with Extrinol

MID-CONTINENT PETROLEUM CORPORATION—Tulsa, Okla. Waterloo, Ia. Terre Haute, Ind. Omaha, Nebr. Chicago, Ill. Minneapolis, Minn.

TOOLS, Thread Rest—*continued*

Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y. (Valve stem.)
Grayson Tool Co., 1412 W. 2nd St., Hastings, Nebr. (axle.)
Jaw Mfg. Co., 39 Mulberry St., Reading, Pa.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio. (Axle.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich. (axle.)
Keystone Reamer & Tool Co., Millersburg, Pa.
Krome Co., 39 Mulberry St., Reading, Pa. "Nu-Thred." (Files and dies.)
Miller Co., L. B., 394 State St., Stamford, Conn. (Axle.)
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich. (Axle.)
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Reiff & Nestor Co., Lykens, Pa. "Nu-Trix."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac." (Axle.)
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco." (Axle.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.

TWO-COMPRESSOR SYSTEM
Self-contained, plug-type, — for on-the-road and stand-by service. Complete low and high side. The best system for small trucks.

PLATE TYPE SYSTEM
For the body builder and service-construction contractor. Over-the-cab or body recess mounting. All basic piping and wiring done by factory to save installer time and money.

SINGLE-COMPRESSOR OVER-THE-ROAD SYSTEM
For installation by body builder or fleetowner. Complete balanced components for low side and high side.

REMOTE TYPE TRUCK UNITS
For full range of temperature demands. These famous "pay-load" units are in universal use and are available 3/4 thru 3 H.P.

Nation-wide distribution and servicing backs Lehigh's quarter-century of engineering and manufacturing experience. Write for latest catalog of truck systems or complete line including packaged automatic defrost systems.

Lehigh BLU-COLD COMMERCIAL REFRIGERATION

Lehigh BLU-COLD
CONDENSING UNITS and SYSTEMS
Lehigh Manufacturing Co. Lancaster, Pa. DIVISION OF LEHIGH FOUNDRIES, INC.

MANUFACTURERS OF MALLEABLE & GREY IRON PRECISION CASTINGS, REFRIGERATING EQUIPMENT, AIR VALVES, AUTOMATIC VENDING MACHINES

TOOLS, Tire

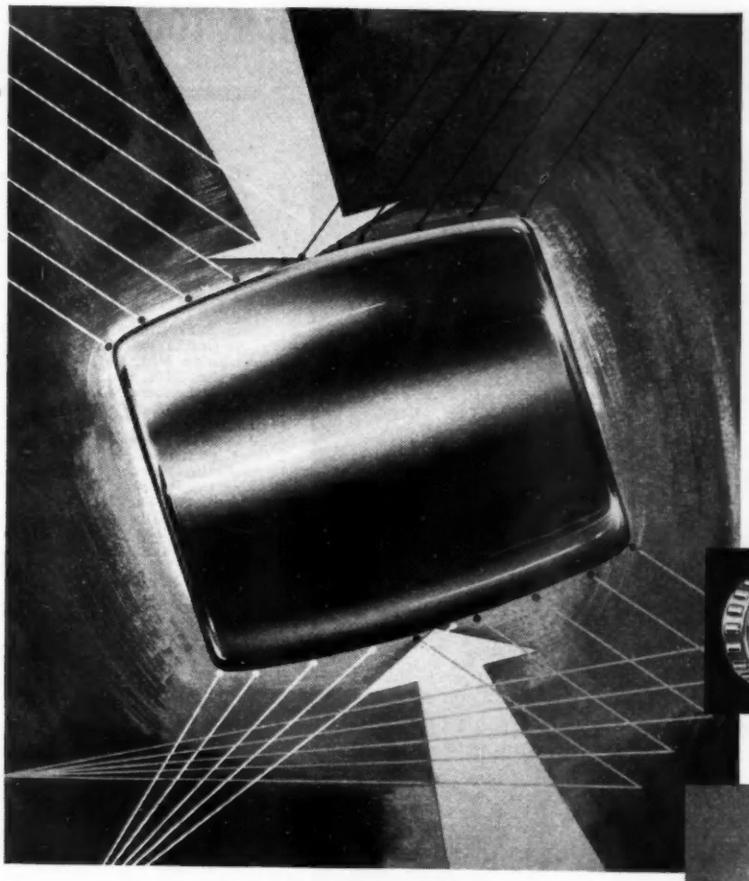
A. B. C. Mfg. Co., 2725 N. Ruth St., Philadelphia 34, Pa.
Apco Mossberg Co., 187 Lamb St., Attleboro, Mass.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown."
Bishman Mfg. Co., Osseo, Minn.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis.
Bos Tool Co., Penns Grove, N. J.
Bridgeport Hardware Mfg. Corp., 461 Iranistan Ave., Bridgeport, Conn. "Thor," "Hi-Power."
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Cam." (Tire changes, also bead breaker; "Burch" tire lifters.)
Cornwell Quality Tools Co., Mogadore, Ohio.
Coyle Co., Perry J., 916 Fifth Ave., N. Birmingham, Ala. "Universal."
Detroit Surfacing Machine Co., 1333 E. Eight Mile Rd., Detroit 20, Mich.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio (Tire valve tools.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Fairmount Tool & Forging Co., 10611 Quincy Ave., Cleveland 6, Ohio. (Hammers.)
Greb Co., 181 Canton St., Stoughton, Mass.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hoggson & Pettis Mfg. Co., 141 Brewery St., New Haven, Conn.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y. (Pneumatic.)
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron 5, Ohio.
Kirspel Industries, Inc., Livingston, N. J.
Lectrolite Corp., Hickory St., Defiance, Ohio.
Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 16, Ill.
Mesco Products, Crete, Nebr. (Trucks.)
Miller-Henderson Co., 302 E. Main St., Bowling Green, Ky.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Quality Tools Corp., Railroad St., New Wilmington, Pa.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Snap-On Tools Corp, 8046 28th Ave., Kenosha, Wis. "Blue Point."
Speedmaster, Ltd., 630 E. 10th St., Oakland 4, Calif. (Bead breakers.)
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Vlchek Tool Co., 3001 E. 87st St., Cleveland 4, Ohio.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

TOOLS, Tire Chain Attaching

American Chain Div., American Chain & Cable Co., 454 E. Princess St., York, Pa. "Zip-On."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.

TOOLS, Tire Chain Repair

American Chain Div. of American Chain & Cable Co., 454 E. Princess St., York, Pa. "Weed."
Columbus-McKinnon Chain Corp., Tonawanda, N. Y. "Dreadnaught."
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
Manley Div., American Chain Co., E. Princess & Charles Sts., York, Pa.
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Linkfix," "Linkmaster."



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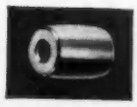

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• TOOLS

TOOLS, Chain Repair—*continued*

Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
St. Pierre Chain Corp., Frank St., Worcester, Mass. "Giant."

TOOLS, Tire Removing and Replacing

Big Four Industries, Inc., 5938 Carthage Ave., Cincinnati 12, Ohio. "Henderson."
Bishman Mfg. Co., Osseo, Minn.
Branick Mfg. Co., Fargo, N. D.
Coats Loaders & Stackers, Inc., 3001 Fifth Ave., S., Fort Dodge, Iowa. "Iron Tireman."
Kehawke Mfg. Co., 718 Ellis St., Muncie, Ind. (Pneumatic.)
Kerkling-Martin, Inc., San Fernando, Calif.
Lee Engineering Co., 505 Central Ave., Pawtucket, R. I. "Presto." (Hand or Hydraulically operated.)
Salsbury Corp., Tiremaster Div., 1161 E. Florence Ave., Los Angeles 1, Calif. "Weaver-Day."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

TOOLS, Tire Spreading

Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown."
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Il. "Bear Jiffy."
Bishman Mfg. Co., Osseo, Minn.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Branick Mfg. Co., Fargo, N. D.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa. "Klear-Vu," "Visaversa."
Kehawke Mfg. Co., 718 Ellis St., Muncie, Ind. (Penumatic.)
Kennedy Service Tools Co., P. O. Box 28, Mogadore, Ohio. (Air, hand and hydraulic.)
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Lummis Mfg. Co., 2242 E. Foothill Blvd., Pasadena 8, Calif.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Mesco Products, Crete, Neb.
Miller Mfg. Corp., C. E., 1400 Meridian St., Anderson, Ind.
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Power Pak Products, Inc., 43 Pearl St., Buffalo 2, N. Y. (Pneumatic.)
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.

TOOLS, Tire Valve Rethreading

Acme Air Appliance Co., 100 Hinsdale St., Glenmore, Brooklyn 7, N. Y.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Schrader's Son Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.

TOOLS, Tube Cutting & Flaring

Acorn Mfg. Co., 33rd & Reed Sts., Erie, Pa. "Amco."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 801 S. Water St., Jackson, Mich.
Capewell Mfg. Co., 60 Governor St., Hartford, Conn.

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TOOLS, Tube—*continued*

Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco."
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Flaremaster."
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
J & J Machine Co., 15420 St. Clair Ave., Cleveland 10, Ohio. "Jet-Vac." (Sole distributors, Beal Bros., Inc., Box 86, Cleveland, Ohio.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Logansport Machine Co., Center Ave., Logansport, Ind.
Miller Co., L. B., 394 State St., Stamford, Conn.
Miller Mfg. Co., 5919 Tiriman Ave., Detroit 4, Mich.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Penn Brass & Copper Co., Powell Ave., Erie, Pa.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

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TOOLS, Valve Grinding or Lapping (Hand)

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Carston Mfg. Co., 46 N. 2nd St., Mt. Vernon, N. Y.
Central Auto Ignition Co., 2230 S. Wood St., Chicago, Ill.
Cornwell Quality Tools Co., Mogadore, Ohio.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif. (Air-driven.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
G. M. Mfg. Co., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y. (Valve grinding.)
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (Vacuum.)
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
New Britain Machine Co., South St., New Britain, Conn.
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Spraker Mfg. Co., 1411 E. 20th St., Indianapolis 7, Ind.
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

TOOLS, Valve Guide Cleaning

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Cornwell Quality Tools Co., Mogadore, Ohio.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Miller Co., L. B., 394 State St., Stamford, Conn.
M-M-A, Inc., 411 Lancaster, Pa. "C-B."
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Pittsburgh Plate Glass Co. (Brush Div.), 3221 Frederick Ave., Baltimore 29, Md. "Even Trim." (Brushes, for hand use or with portable drills.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Scully Steel Products Co., 1319 Wabansia Ave., Chicago, Ill. "Ruggles Perfection." (Hand.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio. (For use with electric drills.)
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. "Waterbury Hall."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.

TOOLS, Valve Guide Installing and Removing

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif. (For Ford cars.)
Bishman Mfg. Co., Osseo, Minn.
Cornwell Quality Tools Co., Mogadore, Ohio.
Hub City Iron Co., 218 1st Ave. S.W., Aberdeen, S. Dak.

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TOOLS, Valve Guide—*continued*

K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn. "Slick."
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Thompson Products, Inc., 2196 Clarkwood Rd., Cleveland 3, Ohio.
Zim Mfg. Co., 3037 Carroll Ave., Chicago 12, Ill.

TOOLS, Valve Lifting and Spring Compressing

All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif. (For Ford cars.)
Associated Producers, Inc., 1603 Fisher Bldg., Detroit 2, Mich. "Easy-Way."
Atmars-Mechanico, Oakland 10, Calif.
Cornwell Quality Tools Co., Mogadore, Ohio.

TOOLS, Valve Seat Installing, Removal

Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa.
Bishman Mfg. Co., Osseo, Minn.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock-Out."
Speaker Mfg. Co., 1440 E. 19th St., Indianapolis, Ind.
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. (Hand and power.)

TOOLS, Valve Seat Refinishing

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Alvord-Polk Tool Co., 110 Gearhart St., Millersburg, Pa. "Alpo."
Beard Tool Co., L. O. Andrew & Mill Sts., Lancaster, Pa.
Black and Decker Mfg. Co., 624 Pennsylvania Ave., Towson 4, Md.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
New Britain Machine Co., South St., New Britain, Conn.
Rottler Boring Bar Co., 513 N. 36th St., Seattle, Wash.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
United States Electrical Tool Div. Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

TOOLS, Wire Stripping

Burndy Engineering Co., Norwalk, Conn.
Crescent Co., 20 Central Ave., Pawtucket, R. I. "Wirey Joe."
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Martindale Electric Co., 1340 Third Ave., Cleveland 7, Ohio.

TORCHES, Hand

Bernz Co., Inc., Otto, 280 Lyell Ave., Rochester, N. Y.
Precision Engineering & Mfg. Co., Saginaw, Mich.
Pressure Products Corp., 140 N. Dearborn St., Chicago 2, Ill. "Prepo."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn. "Slick."
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Waterloo Valve Spring Compressor Co., 300 Ansborough Ave., Waterloo, Iowa. "Little Wonder."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "KRW-Zim."
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

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TORQUE WRENCHES, See Wrenches, Torque

TOWERS, Repair or Service

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Crown Steel Products Co., Orrville, Ohio. (Ladders.)

De-Lux Neon Mfg. Co., 1007 N.W. 36th St., Oklahoma City 3, Okla. "Memco" (Ladders.)

Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.

McCabe-Powers Auto Body Co., 5900 N. Broadway, St. Louis 15, Mo. "Powers-American."

Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y.

TOWING EQUIPMENT. See Hooks, Towing; also Bars, Towing; also Cranes, Service Truck

TRAILERS, Automobile Transport

Fruehauf Trailer Co., 10904 Harper Ave., Detroit 32, Mich.

Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich.

Traffic Transport Engr., Inc., 14301 Schaden Ave., Dearborn, Mich.

Whitehead & Kales, 58 Haltiner St., River Rouge 18, Mich. "W & K."

TRAILERS, Commercial

Ace Trailer & Equipment Co.. Div. Reliable Automotive Co., H & San Joaquin Sts., Fresno, Cal. (6-wheel, 4-wheel and semi.)

All Steel Welded Truck Co., 1149 Railroad Ave., Rockford, Ill. "Clark." (Two-wheel utility.)

American Body & Trailer, Inc., P. O. Box 1150 Oklahoma City 1, Okla. (Semi.)

American Trailer & Mfg. Co., 1017 Santa Fe Ave., Los Angeles 21, Cal. (Also one-wheel type.)

Andrews Industries, Inc., 7901 Alabama Ave., St. Louis 11, Mo. (Refrigerated, etc.)

Athey Products Corp., 5631 W. 65th St., Chicago 38, Ill. (Off-the-highway.)

Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa. "Berger" (to order).

Available Truck Co., 2501 Elston Ave., Chicago 47, Ill. (Semi and four-wheel.)

Baker Equipment Engineering Co., Summit & Norfolk Sts., Richmond 11, Va. (Lumber, log, pole and semi.)

Baker Trailer & Body Co., 700 N. 20th St., St. Louis 3, Mo.

Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill.

Beal Pipe & Tank Corp., 12005 N. Burgard St., Portland 3, Ore. (Logging and machinery.)

Birmingham Mfg. Co., 1101 S. 2nd Ave., (P. O. Box 1351), Birmingham, Ala. (Low bed machinery.)

Black Diamond Trailer Co., Euclid Ave., Bristol, Va.

Brown Trailers, Inc., Box 473, Toledo, Ohio (Aluminum, cargo & van.)

Bunyan Co., Paul, 1602 Cove Ave., La Grande, Oreg. "Paul Bunyan."

C & C Trailer & Body Co., 8855 San Leandro St., Oakland 21, Calif.

Cato Trailer Service, Greenville, S. C.

Carlisle Machine Works, Box 8, Longview, Tex. (Dump, stock and pick-up.)

Chadwick, Inc., Seventh St. & Keystone Ave., Darby, Pa. (Also low-bed machinery.)

Clark Co., B. M., Union, Maine.

Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif.

Corbitt Co., Henderson, N. C. (Semi, van and flat.)

Cresci, A., & Sons, Vineland, N. J.

Dart Truck Co., 27th & Oak Sts., Kansas City, Mo. (Semi, 4-wheel, pole & machinery.)

Dorsey Trailers, Inc., Elba, Ala. (Van, stake, platform, pole, machinery, etc.)

Dura-Bilt Body Co., #8 National Dock East, Boston 28, Mass.

Eagle Mfg. Co., 414 E. Winnebago St., Appleton, Wis. (Public utility.)

Easton Car & Construction Co., Liberty & Holley Sts., Easton, Pa. (Off-the-highway, for mines, quarries, etc.)

Edwards Trailer Co., Div. of Edwards Iron Works, Center Line, Mich. (Mailing address, 23500 Sherwood Rd., Detroit 34, Mich.) (Semi, 4-wheel, dump, etc.)

Eidal Mfg. Co., 250 Woodward Rd. S.E., Albuquerque, N. M.

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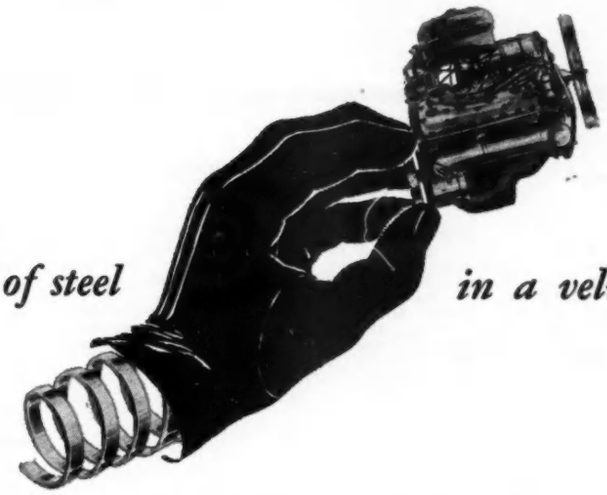
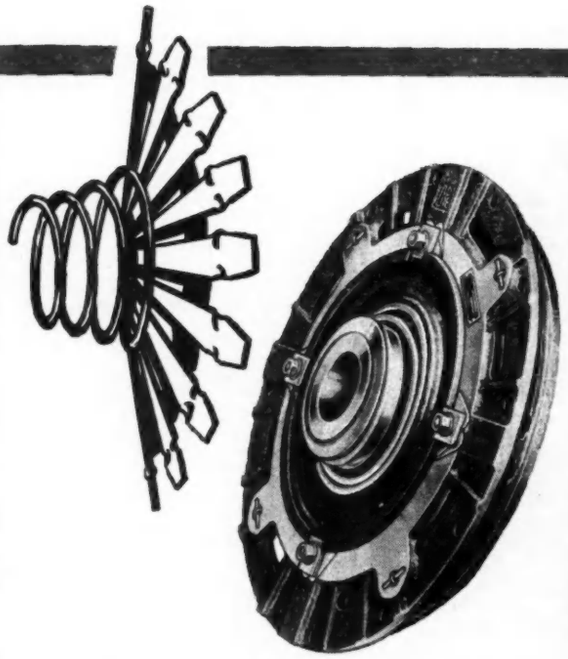


The SOFT Acting Clutch with the SURE GRIP



The hand of steel in the Lipe Clutch has 20 fingers that equalize the pressure of a *single* spring—assuring softer engagement and a positive grip.

LIPE MULTI-LEVER CLUTCH

Lipe's soft engagement, positive grip Multi-Lever Clutch never needs babying. It engages smoothly—without grab, shock or jerk. All parts of the pressure plate touch at the *same instant* with the *same* pressure. There's no cocking—no point of high slippage and spot burning.

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Syracuse 1, N. Y.

TRAILERS, Commercial—*continued*

Evans Mfg. Co., John, 3 Miles South on Hwy. 15A, Sumter, S. C. (Flat, log, van and special pulpwood.)
F.A.B. Mfg. Co., 1249 67th St., Oakland 8, Cal. "Fabco." (Full, semi and log.)
Feigelson Co., Alex., 500 S. Fourth St., Beaumont, Tex. (Oilfield, logging, low bed, etc.)
Fontaine Truck Equipment Co., 1232 37th Place N., Birmingham, Ala. (Bus and low-bed machinery.)
Fruehauf-Carter Div. Fruehauf Trailer Co., 587 Hernando St. (P. O. Box 2086), Memphis, Tenn.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Gentry Body & Trailer Co., N. Fourth St., Chickasha, O.
Gibbes Machinery Co., 1029 Wheat St., Columbia, S. C. (Platform and pole.)
Gindy Mfg. Corp., Dowingtown, Pa.
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio. (Semi and 4-wheel.)
Halsey Machine & Mfg. Co., 131 Arrowhead Ave., San Bernardino, Calif. (Vegetable.)
Hanson Clutch & Machinery Co., Wall & Miami Sts., Tiffin 15, Ohio. (Machinery.)
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.

Years of research and experience have resulted in giving you all the answers to your heavy-duty braking problems. Mold-Blok is available in a friction range to give the best possible service for all jobs — old and new. You'll find Mold-Blok thoroughly dependable — proven best by test.

* In Marietta, Ohio, late in the 19th century the law read this way. "Any person convicted of being a baseball player is subject to a fine of $50 and 30 days hard labor in jail.

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RIDGWAY, PA.

Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio. (Pole.)
Humes Truck & Trailer Mfg. Co., 907 Franklin Ave., Steubenville, Ohio.
Hyde Corp., 1405 Calhoun St., Fort Worth, Tex.
Jahn Trailer Div. Pressed Steel Car Co., 6 N. Michigan Ave., Chicago, Ill.
Kentucky Mfg. Co., 2601 S. Third St., Louisville 8, Ky.
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 1, Mo.
Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky. "Kingham-Universal."
La Crosse Trailer Corp., P. O. Box A, La Crosse, Wis. (Also machinery.)
Langlois Bros., 717 S. San Pedro St., Los Angeles 14, Calif.
Love Wagon Co., Durant, Miss. (Two and four wheel farm.)
Lufkin Foundry and Machine Co., Lufkin, Tex. (Van, platform, float, pole, low boy, etc.)
McCabe-Powers Auto Body Co., 5900 N. Broadway, St. Louis 15, Mo. "Powers." (Hydraulic dump; "Powers-American" pole.)
McKay Mfg. Co., John A., Dunn, N. C. "McKay Sturdybilt."
Martin Machine Co., South & Tenney Sts., Kewanee, Ill. Heavy duty machinery; sole distributors, Caterpillar Tractor Co., 600 W. Washington St., Peoria 8, Ill.
Mastercraft Trailers, Inc., 1 Factory St., Middletown, Conn. (Two-wheel utility.)
Meili-Blumberg Co., 1615 Wisconsin Ave., New Holstein, Wis. "M-B." (Two wheel, tractor and implement.)
Miami Specialties Co., 221 S. Plum St., Troy, Ohio.
Miller Trailers, Inc., 708 3rd St., Bradenton, Fla.
Montgomery Body & Trailer Mfg. Co., Route 37 South, Salem, Ill.
Monroe Mfg. Co., C. N., 2525 S. Dort Highway, Flint 7, Mich. (Tilting-platform.)
Morrison Steel Products, Inc., 601 Amherst St., Buffalo 7, N. Y. (Two-wheel utility.) "Carry-All."
Nabors Co., W. C., Mansfield, La.
Ohio Body Mfg. Co., New London, Ohio. (Semi.)
Olson Mfg., 4000 Warm Springs Ave., Boise, Idaho.
Omaha Standard, 2401 W. Broadway, Council Bluffs, Iowa. (Semi.)
Oren Fire Apparatus Co., 1201 W. Salem Ave., Roanoke, Va. (Fire pumping units.)
Page & Page Co., 0605 S. W. Curry St., Portland 1, Ore. (Dual axle logging.)
Palace Corp., Flint 1, Mich.
Paul Bunyan Co., 1602 Cove Ave., La Grande, Ore. "Paul Bunyan."
Pierce Trailer & Equipment Co., 1306 S. E. Ninth Ave., Portland 14, Ore. (Logging, lumber and machinery.)
Pointer-Williamette Co., P. O. Box 368, Edmonds, Wash. (Machinery and highway.)
Reliance Trailer & Truck Co., 2765 16th St., San Francisco 3, Cal. (Also logging.)
Rogers Bros. Corp., Orchard St., Albion, Pa. (Low bed heavy duty.)
Schayer & Badinger, Inc., 2841 Tchoupitoulas St., New Orleans 15, La. (Two or four-wheel.)
Schonrock Equip. Mfg. Co., Municipal Airport (P. O. Box 1543), San Angelo, Tex. (Cable dump.)
Schult Corp., 1800 S. Main St., Elkhart, Ind.
Spencer-Saffard Loadcraft, Inc., Augusta, Kan. (Semi, pole, four-wheel, van, stock, rack, etc.)
Steel Products Co., P. O. Box 1007, Savannah, Ga. "Great-Dane."
Strick Co., Whitaker Ave. at Godfrey, Philadelphia 24, Pa.
Superior Trailer Mfg. Corp., 1125 Georgia St., Indianapolis, Ind.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Mass.
Thompson Trailer Corp., Pikesville, Md.
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Trailco Mfg. & Sales Co., Mill St., Hummels Wharf, Pa. (Semi.)
Trailmobile, Inc., 31st & Robertson Aves., Cincinnati 9, Ohio.
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio. "TEC." (Four-wheel, semi and pole.)
Tyler Equipment Co., P. O. Box 1674, Houston 1, Tex. (Horse, stock, etc.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Cal.
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J. "V & W." (Chassis-less.)

L BUYERS
NUMBER

., Fort Worth
0th St., Cleve-
., 907 Frank-
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Car Co., 6 N.
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St., Los An-
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Co., Lufkin,
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900 N. Broad-
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, N. C. "Mc-
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platform.)
Amherst St.,
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Ave., Boise,
dway, Council
. Salem Ave.,
units.)
rry St., Port-
ng.)
., La Grande,
., 1306 S. E.
e. (Logging,
Box 368, Ed-
d highway.)
765 16th St.,
ogging.)
, Albion, Pa.
Tchoupitoulas
Two or four-
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Angelo, Tex.
Elkhart, Ind.
Augusta, Kan.
, stock, rack,
1007, Savan-
odfrey, Phila-
Georgia St.,
n St., Seattle
e, Md.
& York St.,
St., Hummels
n Aves., Cin-
W. 70th St.,
(Four-wheel,
1674, Houston
ox 3608, Ter-
d, Cal.
N. Tenth St.,
Chassis-less.)

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TRAILERS, Commercial—*continued*

Weber Trailer & Mfg. Co., 1104 E. Fifth St., Los Angeles 13, Cal. (Semi, four, six-wheel and machinery.)
Wentworth & Irwin, Inc., 123 N. E. Oregon St., Portland 14, Ore. (Also logging and lo-bed.)
Whitehead & Kales Co., 58 Haltiner St., River Rouge 18, Mich. "W. & K."
Williamsen Body & Equipment Co., Ninth & Wall Sts., Ogden, Utah. "Wabco."
Wilson Trailer Co., 2400 Leech Ave., Sioux City 6, Iowa. (Grain, livestock, van and refrigerated.)
Winter-Weiss Co., 2201 Blake St., Denver 2, Colo. (Low bed machinery and farm.)

TRANSMISSION JACKS, See Jacks, Transmission

TRANSMISSION STANDS, See Stands, Engine and Transmission Repair

TRANSMISSIONS

Clark Equipment Co., Gear & Forge Div., Horton & Tyson Sts., Jackson, Mich. (Truck and bus.)
Detroit Transmission Div., General Motors Corp., 5140 Riopelle St., Detroit 11, Mich. "HydraMatic."
Fuller Mfg. Co., Transmission Div., Prouty St., Kalamazoo 13F, Mich. (Truck.)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer Brown-Lipe" (Bus and truck.)

TRANSMISSIONS, Automatic

Detroit Gear Div., Borg-Warner Corp., 12345 Kercheval Ave., Detroit 14, Mich.
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind.

TRANSMISSIONS, Auxiliary

Allison, Div. General Motors Corp., W. 10th St. at Grande Ave. (Speedway), Indianapolis 6, Ind. "Torqmatic."
Borg & Beck Div. Borg-Warner Corp., 6558 S. Menard Ave., Chicago 38, Ill. "B & B."
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 56, Calif.
Fuller Mfg. Co., Transmission Div., Prouty St., Kalamazoo 13F, Mich.
Sherman Products, Inc., 3200 W. 14 Mile Rd., Royal Oak, Mich. (Tractor)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer Brown-Lipe."
Truckstell Mfg. Co., 2016 Union Commerce Bldg., Cleveland 14, Ohio. (Overdrive, for Chevrolet cars.)
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind. (Overdrive unit.)
Watson Co., H. S., 1316 67th St., Oakland 8, Calif. "Watson-Brown-Lipe."

TRUCKS, Diesel

American-Coleman Co., Littleton, Colo.
Autocar Div. of White Motor Co., Lancaster Ave., Ardmore, Pa.
Available Truck Co., 2501 Elston Ave., Chicago, Ill.
Brown Equipment & Mfg. Co., 1740 Broadway, New York 19, N. Y.
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif.
Corbitt Co., Henderson, N. C.
Dart Truck Co., 27th & Oak Sts., Kansas City, Mo.
Diamond T Motor Car Co., 4401 W. 26th St., Chicago 23, Ill.
Duplex Truck Co., Hazel St., Lansing 4, Mich.
Euclid Road Machinery Co., 1361 Chardon Rd., Cleveland 17, Ohio. (Dump, for off-the-highway service.)
Federal Motor Truck Co., 5780 Federal Ave., Detroit 9, Mich.
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."
Freightliner Corp., 1925 N.W. Quimby St., Portland, Ore.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyons, Ill.
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Kenworth Motor Truck Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Marmon-Herrington Co., Inc., 1511 W. Washington, Indianapolis 7, Ind.
Oshkosh Motor Truck, Inc., 2300 Oregon St., Oshkosh, Wis.
Parsons Co., Newton, Iowa. "Dumptor." (For off-the-highway service.)
Peterbilt Motors Co., 107th Ave. & MacArthur Blvd., Oakland 5, Calif.
Reo Motors, Inc., 1331 S. Washington Ave., Lansing, Mich.
Sicard Industries, Inc., 753 W. Main St., Watertown, N. Y. (Snow fighters and street flushers.)
Sterling Div. The White Motor Co., 2021 S. 54th St., Milwaukee 1, Wis.
Studebaker Corp., 635 S. Main St., South Bend 27, Ind.
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, L. I., N. Y.
Ward-LaFrance Truck Corp., Grand Central Ave. & 11th St., Elmira Heights, N. Y.
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.

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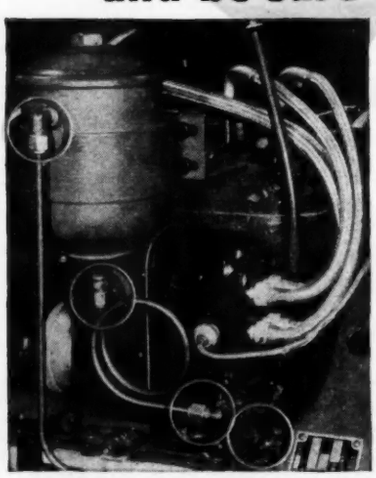
This Elastic Sleeve in Flex Fittings Absorbs Vibration and Shock . . . permits tubing to flex and at the same time assures a positive pressure-tight seal on all kinds of tubing.



Flex Fittings, circled on this engine, are easy to install . . . simply slip nut and flex sleeve over tubing . . . insert tubing into body as far as it will go and tighten nut—that's all.

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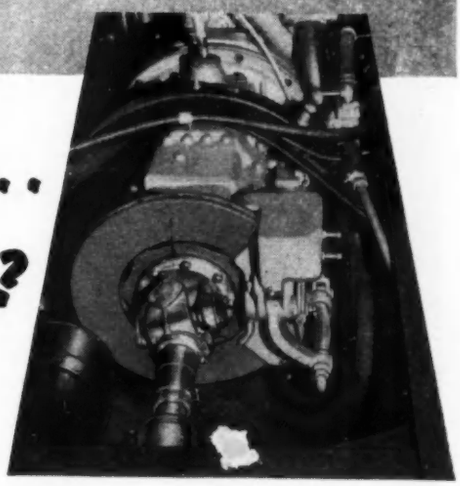

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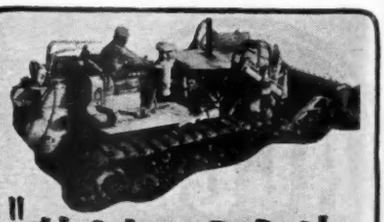
• TRUCKS

TRUCKS, Fire Apparatus

American-LaFrance-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y.
Biederman Motors Corp., 2131 Spring Grove Ave., Cincinnati 14, Ohio.
Federal Motor Truck Div., Federal Fawick Corp., 5780 Federal Ave., Detroit 9, Mich.
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."
Hahn Motors, Inc., 400 S. Third St., Hamburg, Pa.
Howe Fire Apparatus Co., 1402 W. 22nd St., Anderson, Ind.
Kenworth Motor Trucks Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Maxim Motor Co., 170 Wareham St., Middleboro, Mass.
Oren Roanoke Corp., 1201 W. Salem Ave., Roanoke, Va.
Pirsch & Sons Co., Peter, 1308 35th St., Kenosha, Wis.
Seagrave Corp., 2000 S. High St., Columbus, Ohio.
Universal Fire Apparatus Corp., Ft. of Wheatland Ave., Logansport, Ind.
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, L. I., N. Y.
Ward-LaFrance Truck Corp., Grand Central Ave. & 11th St., Elmira Heights, N. Y.

TRUCKS, Gasoline

American-Coleman Co., Littleton, Colo.
Autocar Div. of White Motor Co., Lancaster Ave., Ardmore, Pa.
Available Truck Co., 2501 Elston Ave., Chicago, Ill.
Biederman Motors Corp., 2131 Spring Grove Ave., Cincinnati 14, Ohio.
Brockway Motor Co., 106 Central Ave., Cortland, N. Y.
Brown Equipment & Mfg. Co., 1740 Broadway, New York 19, N. Y.
Chevrolet Motor Div. of General Motors Corp., General Motors Bldg., Detroit 2, Mich.
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif.
Corbitt Co., Henderson, N. C.
Crosley Motors, Inc., 2530 Spring Grove Ave., Cincinnati 14, Ohio.
Dart Truck Co., 27th & Oak Sts., Kansas City, Mo.
Diamond T Motor Car Co., 4401 W 26th St., Chicago 23, Ill.
Divco Corp., 22000 Hoover Rd., Detroit 5, Mich. (Frequent stop.)
Dodge Div., Chrysler Corp., 7900 Joseph Campau Ave., Detroit 31, Mich.
Duplex Truck Co., Hazel St., Lansing 4, Mich.
Esco Motor Co., c/o Exhibitor's Service Co., W. General Robinson St., N. S., Pittsburgh, Pa.
Federal Motor Truck Co., 5780 Federal Ave., Detroit 9, Mich.
Ford Motor Co., 3000 Schaefer Rd., Dearborn, Mich.
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Hahn Motors, Inc., 400 S. Third St., Hamburg, Pa.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyons, Ill.
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Kenworth Motor Truck Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Linn Coach & Truck Div., Great American Industries, Inc., 443 Chestnut St., Onenonta, N. Y. (Frequent stop; also custom coaches, for medical, X-ray, dental and television; also business display.)
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind.
Milford Crane & Machine Co., 841 63rd St., Brooklyn 20, N. Y. (4-axle crane truck and special purpose.)
Oshkosh Motor Truck, Inc., 2300 Oregon St., Oshkosh, Wis.
Parsons Co., Newton, Iowa. "Dumptor." (For off-the-highway service.)
Peterbilt Motors Co., 107th Ave. & MacArthur Blvd., Oakland 5, Calif.
Pontiac Motor Div. General Motors Corp., Pontiac 11, Mich.
Reo Motors, Inc., 1331 S. Washington Ave., Lansing, Mich.
Sicard Industries, Inc., 753 W. Main St., Watertown, N. Y. (Snow fighters and street flushers.)



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The job was clearing 500 acres of salt marsh for crystallizing ponds. To quote, "We selected LUBRIPLATE No. 107 for track and general lubrication and LUBRIPLATE APG-140 for transmissions and final drives. During the entire job there was no replacements of track rollers nor any tie-ups of equipment due to parts replacement or breakage!"

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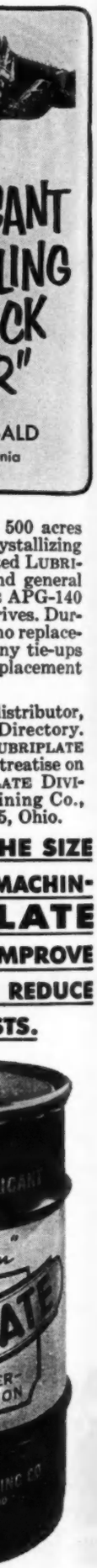

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"You can't make dough when your trucks are in the shop for repairs. Our records prove that. When you've got to keep 'em rollin' to make a profit you can't beat McQuay-Norris parts."

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TRUCKS, Gasoline—*continued*

Spangler Engrg. & Sales Co., D. H., 426 S. Third St., Hamburg, Pa.
Sterling Div., The White Motor Co., 2021 S. 54th St., Milwaukee 1, Wis.
Studebaker Corp., 635 S. Main St., South Bend 27, Ind.
Truckstell Mfg. Co., 1435 Union Commerce Bldg., Cleveland 14, Ohio. (Dual axle drive conversions.)
Twin Coach Co., 850 W. Main St., Kent, Ohio. "Fageol Super Freighter."
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, Brooklyn 27, N. Y.
Ward-LaFrance Truck Corp., Grand Central Ave. & 11th St., Elmira Heights, N. Y.
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.
Willys-Overland Motors, Inc., N. Cove Rd., Toledo 1, Ohio. (Also jeeps.)

TRUCKS, Hand

Aerol Co., 2424 San Fernando Rd., Los Angeles 65, Calif.
All Steel Welded Truck Co., 1149 Railroad Ave., Rockford, Ill. "Clark."
American Pulley Co., 4200 Wissahickon Ave., Philadelphia 29, Pa.
Angle Steel Stool Co., 56 Oak St., Plainwell, Mich.
Armstrong Truck & Caster Div. of North Wales Foundry Co., North Wales, Pa.
Automatic Transportation, Div. Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill. "Transtractor." (Motorized.)
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Bishman Mfg. Co., Osseo, Minn. "Start Cart." (Battery.)
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Buschman Co., E. W., Spring Grove & Clifton Aves., Cincinnati 12, Ohio. "Wheel-it."
Cam Tool Co., 288 22nd St., Oakland 12, Calif. "Ormsby."
Chatillon & Sons, John, 85 Cliff St., New York 7, N. Y.
Clark Co., Geo. P., 35 Canal St., Windsor Locks, Conn.
Clark Equipment Co., Industrial Truck Div., Battle Creek 85, Mich.
Colson Corp., Elyria, Ohio.
Continental-Diamond Fibre Co., Newark 10, Del. "Diamond." (Fibre.)
Durlach Can & Iron Works, 174 Seventh St., Brooklyn 15, N. Y.
Electric Wheel Co., Quincy, Ill. "EWC."
Elwell-Parker Electric Co., 4215 St. Clair Ave., Cleveland 3, Ohio.
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Fairbanks Co., 393 Lafayette St., New York 3, N. Y.
Hamilton Caster & Mfg. Co., 1637 Dixie Highway, Hamilton, Ohio. "Morrison."
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio.
Howe Scale Co., 3 Scale Ave., Rutland, Vt. (Platform.)
Illinois Iron & Bolt Co., 10 Main St., Carpentersville, Ill. "Hercules."
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
Koehring Co., 3026 W. Concordia Ave., Milwaukee 10, Wis. "Dumptor."
Lansing Co., 603 N. Cedar St., Lansing 3, Mich. "Lanco."
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown, Mass. "Floor-Master."
Magline, Inc., 952 Murray Rd., Pinconning, Mich.
Mercury Mfg. Co., 4044 S. Halsted St., Chicago 9, Ill.
Nutting Truck & Caster Co., 1125 W. Division St., Faribault, Minn.
Rapids-Standard Co., 100 Rapistan Bldg., Grand Rapids 2, Mich. "Rapidstan."
Rolack Inc., 1350 Kings Highway, Fairfield, Conn.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio.
Sage Equipment Co., 30 Essex St., Buffalo 13, N. Y.
Saginaw Products Corp., 68 Williamson St., Saginaw, Mich.
Service Caster & Truck Corp., 540 N. Brownswood Ave., Albion, Mich.
Skarnes Engrg. & Supply, Inc., 2907 E. Franklin Ave., Minneapolis 6, Minn.
Standard Pressed Steel Co., Jenkintown, Pa. "Hallowell."
Thomas Truck & Caster Co., 1021 Mississippi River, Keokuk, Iowa. "Jak - Tung," "Thomas."
Towmotor Corp., 1226 E. 152 St., Cleveland 10, Ohio.
Walker Vehicle & Automatic Transportation Divs., Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill. (Motorized.)
Wellington Machine Co., 133 DeWolf St., Wellington, Ohio. (Hydraulic)
West Bend Equipment Corp., 216 S. Water St., West Bend, Wis. "Spring Bearing."
Yale & Towne Mfg. Co., Philadelphia Div., Roosevelt Haldeman Ave., Philadelphia 15, Pa.

TRUCKS, Lift (Electrically Operated)

Automatic Transportation Div. Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill. "Skylift."
Baker Industrial Truck Div. of Baker-Raulang Co., 1211 80th St., Celevalnd 2, Ohio. (Electric or gas-electric.)
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.

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Constructed of All-Star Units
Doing an All-Star Job Since 1920

DEALERS: Compare the Biederman National Standard Model with any truck on the market and you will agree that it is an All-Star team in itself.
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It's ULTRALITE glass fiber insulation!

Truckers who insulate their reefers with Ultralite long glass fiber insulation don't know the meaning of insulation maintenance. For Ultralite won't settle, sag, pack, disintegrate or otherwise lose its insulating efficiency — not even after 700,000 miles of service!*

This money-saving advantage is just one of the many that has made Ultralite "the carriage trade insulation" since 1946. It's extremely light in weight, easy to install in blankets or cut-to-size strips. You carry no deadweight insulation — just more cargo.

And its superior thermal efficiency is your guarantee that heat won't hijack your profits when you're carrying frozen foods and other perishables.

So if reefer insulation is giving you any headaches at all, see your local Ultralite distributor. He'll show you how easy and economical it is to put Ultralite in and solve those problems, once and for all.

*Case histories, samples and complete information are yours for the asking — write today!

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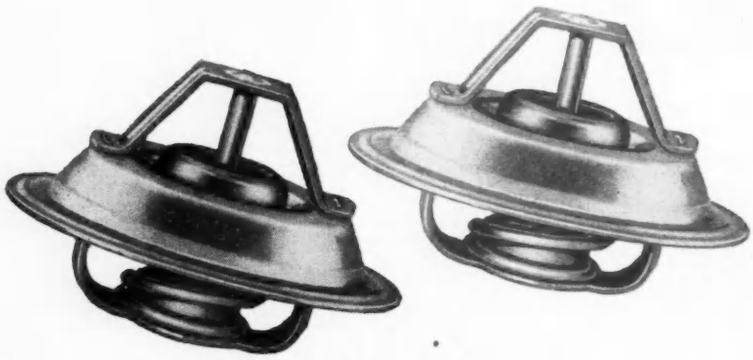
TRUCKS, Lift—*continued*

Clark Equipment Co., Industrial Truck Div., Battle Creek 85, Mich. "Clark Elec-Carloader," "Clark Elec-Clipper," "Clark Elec-Truckloader," "Clark Elec-Utilitruc," "Clark Electro-Lift."
Crescent Truck Co., Div. of Barrett-Cravens Co., 1035 Willow St., Lebanon, Pa.
Easton Car & Construction Co., Liberty & Holly Sts., Easton, Pa.
Elwell-Parker Electric Co., 4215 St. Clair Ave., Cleveland 3, Ohio. "Hi-Lo." (Also gas-electric.)
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio.
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown, Mass.
Market Forge Co., 25 Garvey St., Everett, Mass. "Load-Mobile."
Mercury Mfg. Co., 4044 S. Halstead St., Chicago 9, Ill.
Moto-Truc Co., 1953 E. 59th St., Cleveland, Ohio.
Raymond Corp., 151 Madison St., Greene, N. Y.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J. "Gogetter."
Wright-Hubbard Industrial Electric Truck Co., Pleasant St., Phelps, N. Y.
Yale & Towne Mfg. Co., 4530 Tacony St., Philadelphia 24, Pa.



A new and revolutionary High-Pressure Stat embodying the efficient and reliable Poppet Valve

• The high-pressure thermostat is an essential for installation on certain late model cars and trucks employing highly-pressurized cooling systems.

The Thomson H-P Thermostat for the first time brings to these vehicles and their owners the benefits afforded by the efficient and reliable poppet valve *—never before available in thermostats of this type.*

The thermal actuating unit of the Thomson H-P stat is not a bellows, but a capsule containing a gelatinous mineral which expands with tremendous force when subjected to heat. This expansion forces open the poppet valve, which is held closed by a spring until operating temperatures are reached.

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I. H. C. ..... 1953-52, Black, Red, Blue, Green & Silver Diamond

STUDEBAKER .. M5, M10, and M15

Thomson Thermostats

TRUCKS, Lift (Gasoline Powered)

American Tractor Corp., Churubusco, Ind.
Baker Industrial Truck Div. of Baker-Raulang Co., 1211 W. 80th St., Cleveland 2, Ohio. (Also gas-electric.)
Buda Co., 154th St. & Commercial Ave., Harvey, Ill.
Clark Equipment Co., Industrial Truck Div., Battle Creek 85, Mich. "Clark Carloader," "Clark Clipper," "Clark Hydro-Lift," "Clark Truckloader," "Clark Utilitruc," "Clark Yardlift."
Elwell-Parker Electric Co., 4215 St. Clair Ave., Cleveland 3, Ohio. (Also gas-electric.)
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio. "Hitco."
Hyster Co., 2980 N. E. Clackamas St., Portland 8, Ore.
Kwik-Mix Co., 235 W. Grand Ave., Port Washington, Wis.
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown, Mass. (Gas Electric.)
Mobilift Corp., 835 S.E. Main St., Portland 14, Ore.
Peterbilt Motors, Inc., 107th St. & MacArthur Blvd., Oakland 7, Calif.
Ross Carrier Co., Second & Miller Sts., Benton Harbor, Mich. (Also gas-electric straddle.)
Service Caster & Truck Corp., 540 N. Brownswood Ave., Albion, Mich. "Service Motowlifts."
Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y. "Lift-O-Krane."
Towmotor Corp., 1226 E. 152nd St., Cleveland 10, Ohio.
Transitier Truck Co., 2477 N. W. 23rd Ave., Portland 10, Ore.
Yale & Towne Mfg. Co., Philadelphia Div., Roosevelt Blvd. & Haldeman Ave., Philadelphia 15, Pa.

TRUCK LOADERS (ELEVATING TAILGATE), See Loaders, Truck (Elevating Tailgate)

TRUCKS, Rental (Nationwide)

Hertz Driv-Ur-Self System, 218 S. Wabash Ave., Chicago 4, Ill.
National Truck Leasing Systems, 23 E. Jackson Blvd., Chicago 4, Ill.

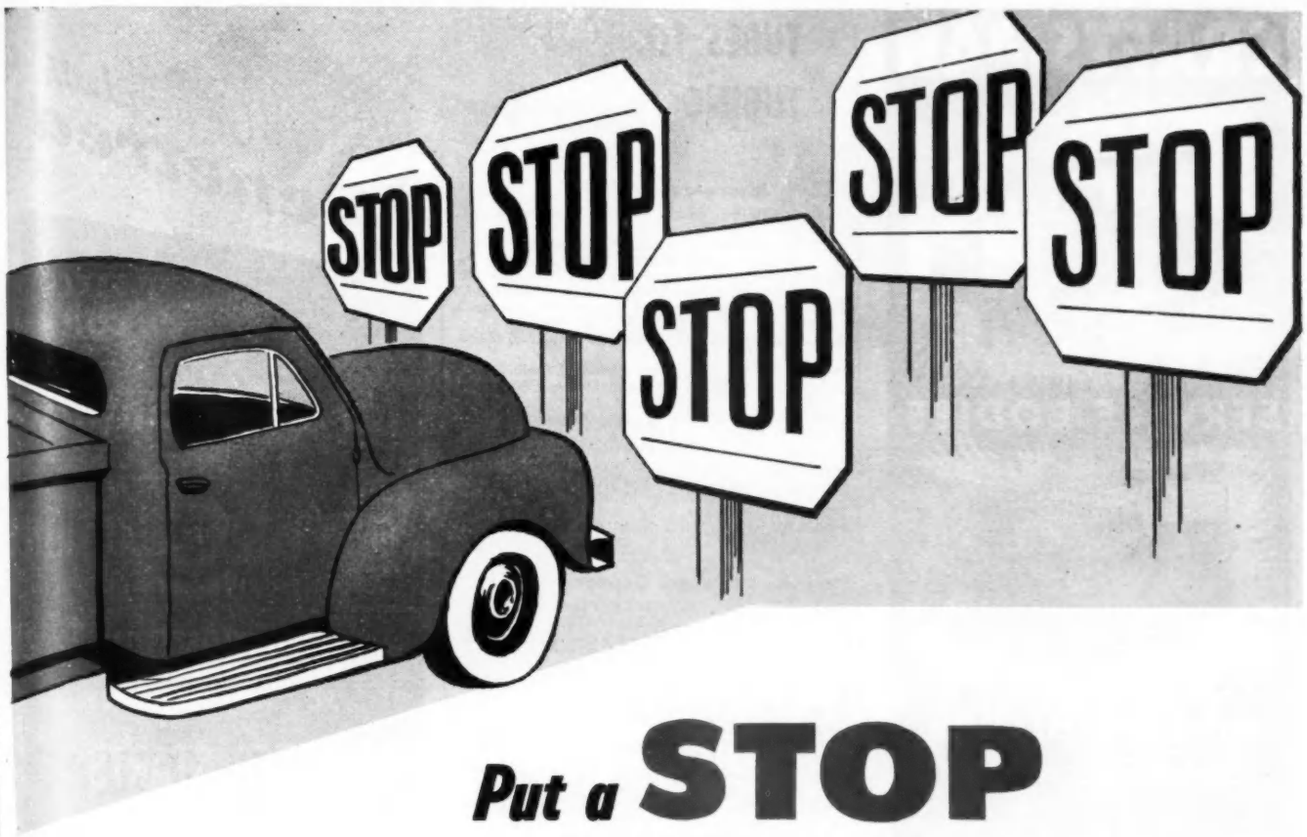
TRUCK TANKS, See Tanks, Trailer and Truck Body

TUBE FITTINGS

Aeroquip Corp., Jackson, Mich. (Self sealing couplings.)
Aircraft Fitting Co., 1400 E. 30th St., Cleveland 14, Ohio.
Imperial Brass Mfg. Co., 1209 W. Harrison St., Chicago 7, Ill.
Resistoflex Corp., Belleville 9, New Jersey.
Titeflex, Inc., 672 Frelinghuysen Ave., Newark 5, N. J.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

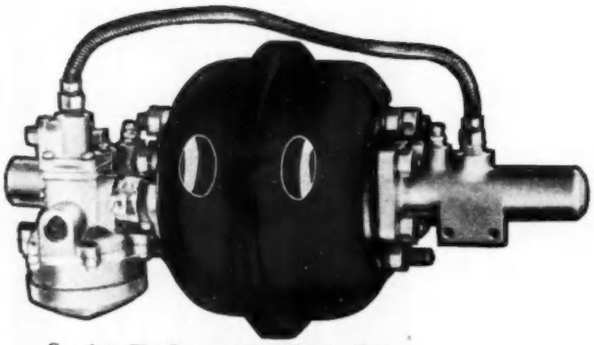
TUBES, Inner

Armstrong-Norwalk Corp., Glover Ave., Norwalk, Conn.
Armstrong Rubber Co., 475 Elm St., West Haven 16, Conn.
Carlisle Tire & Rubber Div., Carlisle Corp., 621 College St., Carlisle, Pa.
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Corduroy Rubber Co., Fuller Ave. & G. T. Tracks, Grand Rapids 1, Mich.
Dayton Rubber Co., 2342 W. Riverview Ave., Dayton 1, Ohio. "Dayton," "Thorobred."
Denman Rubber Mfg. Co., Warren, Ohio.
Dismuke Tire & Rubber Co., P. O. Box 308, Clarksdale, Miss. "D & J."
Dunlop Tire & Rubber Corp., Sheridan Drive, Buffalo 7, N. Y.
Durkee-Atwood Co., 215 Seventh St., N. E. Minneapolis 13, Minn.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio. "Life Protector."
Fisk Tire Co., Div. U. S. Rubber Co., 1230 Ave. of the Americas, New York 20, N. Y.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.

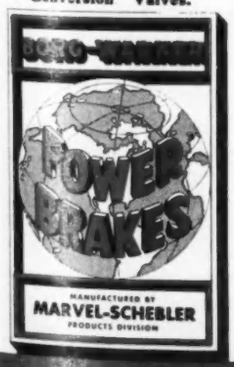


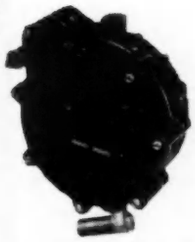
Put a STOP *to DRIVER FATIGUE with . . .*

BORG-WARNER POWER BRAKES



Complete Kit Coverage for Truck, Tractor and Trailer Application. BORG-WARNER power Brake Systems also Include Hand Valves, Foot Valves and Conversion Valves.





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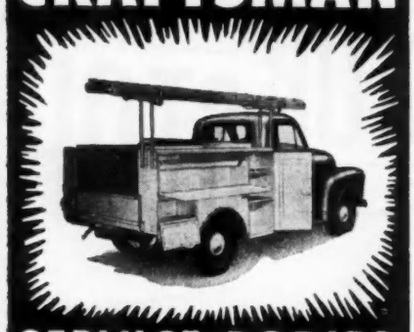

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TUBES, Inner—*continued*

Inland Rubber Corp., 481 S. Dearborn St., Chicago 5, Ill.
Kelly-Springfield Tire Co., Cumberland, Md.
Lee Rubber & Tire Corp., Conshohocken, Pa.
Mansfield Tire & Rubber Co., 515 Newman St., Mansfield, Ohio. "Century," "Mansfield."
Mohawk Rubber Co., 1235 Second St., Akron 5, Ohio.
Pennsylvania Rubber Co., P. O. Box 377, Mansfield, Ohio.
Polson Rubber Co., Garrettsville, Ohio.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Robbins Tire & Rubber Co., Tuscumbia, Ala.
Schenuit Rubber Co., Frank G., Railroad and Union Aves., Baltimore 11, Md.
Seiberling Rubber Co., Akron 9, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Avenue of the Americas, New York 20, N. Y.
Waber Co., 1076 W. 76th St., Chicago 20, Ill.

TUBING, Brass and Copper

American Brass Co., 414 Meadow St., Waterbury 20, Conn. "Anaconda."
Attwood Brass Works, Inc., 303 Douglas St. N.W., Grand Rapids, Mich.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Chase Brass and Copper Co., 236 Grand St., Waterbury 91, Conn.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Copper.)
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Kensico Tube Co., Hubbell's Cross Rd., Mt. Kisco, N. Y. (Copper.)
Lewin-Mathes Co., 12th St. & Chouteau Ave., St. Louis, Mo. (Copper.)
Linderne Tube Co., 1500 E. 219th St., Cleveland 17, Ohio. (Copper.)
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich. "Streamline."
National Copper & Smelting Co., 1862 E. 123rd St., Cleveland 6, Ohio.
Penn Brass & Copper Co., Powell Ave., Erie, Pa. "Superior."
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y. (Copper.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Revere Copper and Brass Inc., 230 Park Ave., New York 17, N. Y.
Roll Formed Products Co., 3765 Oakwood Ave., Youngstown, Ohio.
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn. (Brass.)
United Wire & Supply Corp., 1497 Elmwood Ave., Providence 7, R. I.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.
Wells & Co., A. H., 177 E. Aurora St., Waterbury, Conn.
Wolverine Tube Div., Calumet & Hecla Inc., 1411 Central Ave., Detroit 9, Mich.

TUBING, Flexible Metallic

Almond Mfg. Co., T. R., 100 Maple Ave., Ashburnham, Mass.
American Brass Co., American Metal Hose Branch, 698 S. Main St., Waterbury 20, Conn.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y.
Co-Operative Industries, Inc., 100 Oakdale Rd., Chester, N. J.
Eastern Tube & Tool Co., 594 Johnson Ave., Brooklyn, N. Y. "Ettco."
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Flex," "Rex-Tube," "Rex-Weld," "Flexon," "Red Flex."
Forsyth Metal Goods Co., Elm St., East Aurora, N. Y.
Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio.
International Metal Hose Co., Div. of Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio. "Interlox."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa.
National Electric Products Corp., 13th Floor, Chamber of Commerce Bldg., Pittsburgh 19, Pa. "Auto-Steelflex."
Pennsylvania Flexible Metallic Tubing Co., 72nd St. & Powers Lane, Philadelphia 42, Pa. "Penflexweld."

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WITHOUT SPINNING

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BUILT IN A WIDE RANGE OF SIZES AND TYPES

FOR AGRICULTURAL AND CONSTRUCTION MACHINERY

	Maximum Torque Inch Pounds	
	Cont. Load	Hand Oper.
K Series K2R Series		
K-1-C	350	2,000
K-2-A	350	5,000
L6S Series L6N Series	400	2,000

	Recommended Torque Rating, Inch Pounds	Needle Bearings
L10S Series	650	Opt.
1FR Series	1,080	"
L14S Series	1,230	"
3DR Series	1,800	"
L16S Series	2,200	"
L14N Series	4,500	"
35N Series	10,000	"

FOR TRUCKS AND BUSES

N Series	Recommended Torque Rating, Inch Pounds	Balanced for
45N	14,000	3600
5N	20,000	R.P.M.
50N	20,000	Max.
6N	38,000	"
60N	38,000	"
7N	57,000	"
70N	57,000	"
75N	70,000	"

FOR MARINE AND INDUSTRIAL EQUIPMENT

BW Series	Maximum Torque Inch Pounds Cont. Load	Momentary Load
BW-12	1,020	4,450
BW-1	1,695	7,500
BW-2	3,350	11,720
BW-3	4,450	16,800
BW-4	5,080	22,900
BW-5	8,640	34,200
BW-6	11,620	60,000
BW-7	28,600	150,000
BW-9	89,300	500,000

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UNIVERSAL JOINTS
AND DRIVE LINE ASSEMBLIES

BLOOD BROTHERS machine division
Rockwell Spring and Axle Company
ALLEGAN, MICHIGAN

TUBING—*continued*

Ryder Mfg. Co., 220 N. Ada St., Chicago 7, Ill. "Perma-Loc."
Titeflex, Inc., 672 Frelinghuysen Ave., Newark 5, N. J.
Universal Metal Hose Co., 2133 S. Kedzie Ave., Chicago 23, Ill. "Steelflex."

TUBING, Loom

Anchor Webbing Co., 1005 Main St., Pawtucket, R. I.
Asbestos Textile Co., 165 W. Wacker Drive, Chicago 1, Ill. (Asbestos.)
Eastern Tube & Tool Co., 594 Johnson Ave., Brooklyn, N. Y. "Ettco."
Essex Wire Corp., 1601 Wall St., Fort Wayne, Ind. "SX."
Packard Electric Div., General Motors Corp., Warren, Ohio.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.

TUBING, Oil and Gasoline Line

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Flexible.)
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
American Brass Co., American Metal Hose Branch, 698 S. Main St., Waterbury 20, Conn. (Flexible, with fittings.)
Anchor Coupling Co., 342 N. Fourth St., Libertyville, Ill. (Flexible.)
Andrew Parts Mfg. Co., 49 Amsterdam Ave., New York 23, N. Y.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y. (Flexible.)
Avon Tube Div. of Higbie Mfg. Co., Charles St., Rochester, Mich.
Bundy Tubing Co., 8109 Jefferson Ave., Detroit 13, Mich. (Solid.)
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Coronet Parts Mfg. Co., 951 Sheperd Ave., Brooklyn 8, N. Y. (Flexible and solid.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Edelmann & Co., E., 2232 Logan Blvd., Chicago 47, Ill. (Flexible.)
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Flexible.)
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Tube," "Rexweld," "Flexon." (Flexible.)
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill. (Flexible.)
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Flex-Gas." (Flexible non-metallic, with fittings.)
National Copper & Smelting Co., 1862 E. 123rd St., Cleveland 6, Ohio.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. (Flexible.)
Penn Brass & Copper Co., Powell Ave., Erie, Pa. "Superior." (Solid.)
Pennsylvania Flexible Metallic Tubing Co., 72nd St. & Powers Lane, Philadelphia 42, Pa.
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y. (Flexible.)
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Quaker Rubber Co., Tacony & Comly Sts., Philadelphia 24, Pa.
Resistoflex Corp., 39 Plansoen St., Belleville 9, N. J. (Flexible, with fittings.)
Steel and Tubes Div., Republic Steel Corp., 224 E. 131st St., Cleveland 8, Ohio.
Titeflex, Inc., 672 Frelinghuysen Ave., Newark 5, N. J. (All-metal flexible.)
United Wire & Supply Co., 1497 Elmwood Ave., Providence 7, R. I.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio. (Flexible non-metallic.)
Wolverine Tube Div., Calumet & Hecla, Inc., 1411 Central Ave., Detroit 9, Mich. (Solid.)

TUBING, Windshield Wiper

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio. "Universal."
Continental Rubber Works, 1902 Liberty St., Erie, Pa. "Vitalic."
Crown Products Co., Ralston, Neb.
Dallas Mfg. & Sales Co., Box 7181 Dallas, Tex. "Guard-A."
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Kravex Mfg. Corp., 273 Van Sinderen Ave., Brooklyn 7, N. Y. "KM."
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio.
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

TUNE-UP EQUIPMENT, See Analyzers

TUNE-UP OIL, See Oils, Upper Cylinder

THE 20 SECOND "PUSH-BUTTON" TEST

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Model 205
6-12 Volts
80-60 Amps.

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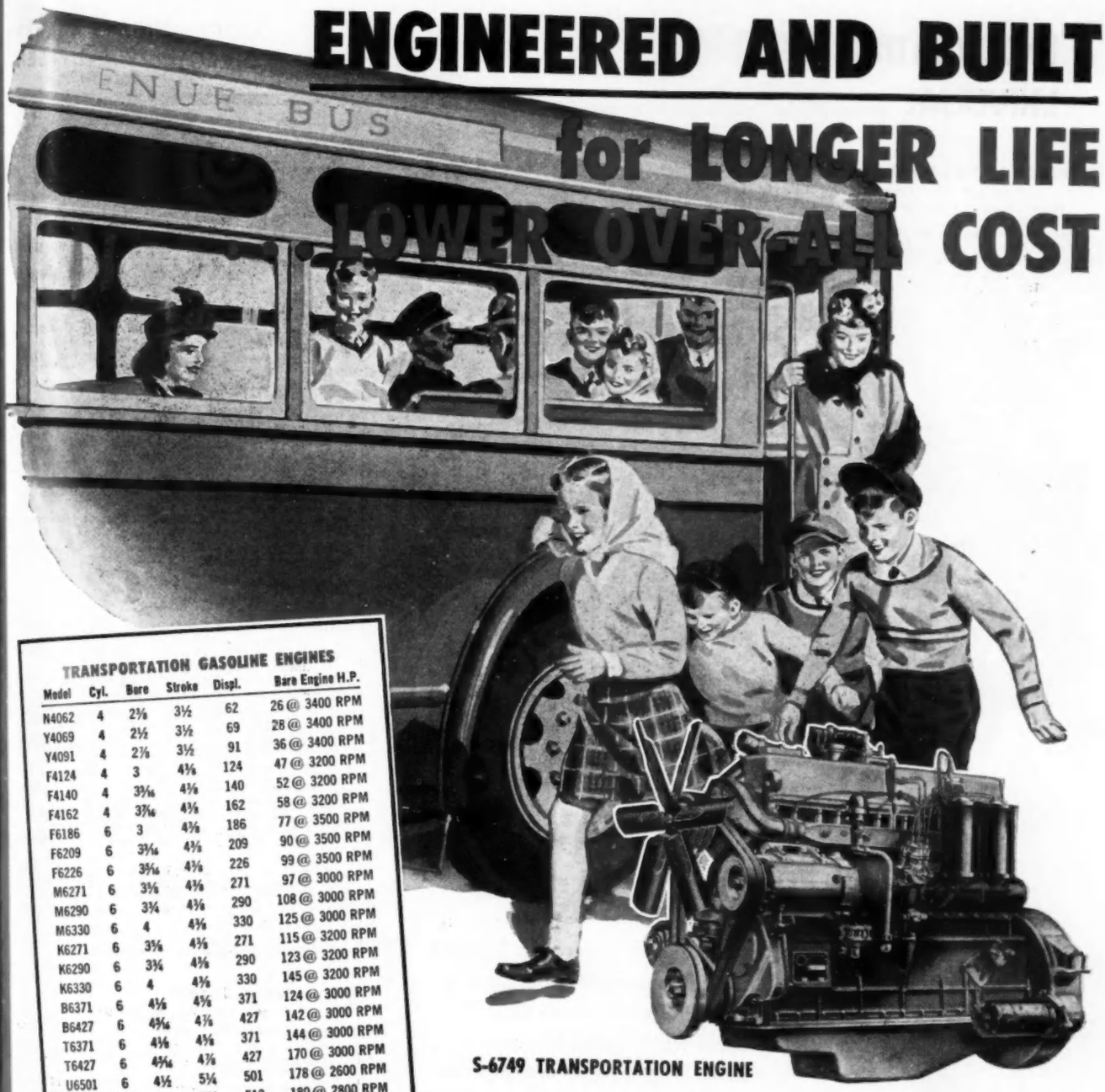

S-6749 TRANSPORTATION ENGINE

TRANSPORTATION GASOLINE ENGINES

Model	Cyl.	Bore	Stroke	Displ.	Bare Engine H.P.
N4062	4	2⅛	3½	62	26 @ 3400 RPM
Y4069	4	2½	3½	69	28 @ 3400 RPM
Y4091	4	2⅞	3½	91	36 @ 3400 RPM
F4124	4	3	4⅛	124	47 @ 3200 RPM
F4140	4	3 3/16	4⅛	140	52 @ 3200 RPM
F4162	4	3 7/16	4⅛	162	58 @ 3200 RPM
F6186	6	3	4⅛	186	77 @ 3500 RPM
F6209	6	3 3/16	4⅛	209	90 @ 3500 RPM
F6226	6	3 5/16	4⅛	226	99 @ 3500 RPM
M6271	6	3⅛	4⅛	271	97 @ 3000 RPM
M6290	6	3¼	4⅛	290	108 @ 3000 RPM
M6330	6	4	4⅛	330	125 @ 3000 RPM
K6271	6	3⅛	4⅛	271	115 @ 3200 RPM
K6290	6	3¼	4⅛	290	123 @ 3200 RPM
K6330	6	4	4⅛	330	145 @ 3200 RPM
B6371	6	4⅛	4⅞	371	124 @ 3000 RPM
B6427	6	4 3/16	4⅞	427	142 @ 3000 RPM
T6371	6	4⅛	4⅞	371	144 @ 3000 RPM
T6427	6	4 3/16	4⅞	427	170 @ 3000 RPM
U6501	6	4½	5¼	501	178 @ 2600 RPM
R6513	6	4½	5⅛	513	180 @ 2800 RPM
R6572	6	4¾	5⅛	572	200 @ 2800 RPM
R6602	6	4⅞	5⅛	602	212 @ 2800 RPM
S6749	6	5⅛	5½	749	250 @ 2800 RPM
S6820	6	5⅛	5½	820	275 @ 2800 RPM

TRANSPORTATION DIESEL ENGINES

Model	Cyl.	Bore	Stroke	Displ.	Bare Engine H.P.
TD6427	6	4 3/16	4⅞	427	116 @ 2400 RPM
RD6572	6	4¾	5⅛	572	162 @ 2400 RPM
SD6802	6	5 9/16	5½	802	217 @ 2200 RPM

There is no stronger argument for careful selection of equipment than the ever-narrowing margin between revenue and operating cost. With income and outgo running so nearly neck-and-neck, it's doubly wise for owners of trucks, buses and other commercial vehicles to standardize on makes with Continental Red Seal power.

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Continental Motors Corporation

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Anderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla. "Apcoseal."
Battenfield Grease & Oil Corp., 3148 Roanoke Rd., Kansas City 8, Mo. (Underbody.)
Boruski, Jr., Ernest F., 162 W. 54th St., New York 19, N. Y.
Carey Mfg. Co., Philip, Lockland, Cincinnati, Ohio. (Underbody.)
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Flexrock Co., Packing Div., 36th & Filbert Sts., Philadelphia 4, Pa.
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y.
Gibson-Homans Co., 2366 Woodhill Rd., Cleveland, Ohio.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
Hutson Mfg. Co., Railroad & Institute Sts., Conyers, Ga. (Underbody.)
Insul-Mastic Corp. of America, 1144 Oliver Bldg., Pittsburgh 22, Pa. "Karkote." (Mastic.)
Keystone Asphalt Products Co., 101 E. Ontario St., Chicago 11, Ill. "Kapco."
Lion Oil Co., Lion Oil Bldg., El Dorado, Ark. "Nokorode."
Minnesota Mining & Mfg. Co., Adhesive & Coatings Div., 411 Piquette Ave., Detroit 2, Mich. "Underseal."
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Mortell Co., J. W., 550 N. Hobbie Ave., Kankakee, Ill. "Insulmat," "Mortex."
Nox-Rust Chemical Co., 2429 S. Halsted St., Chicago 8, Ill. "Nox-Sound."
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa.
Pioneer Chemical & Mfg. Co., 1826 Columbus Rd., Cleveland 13, Ohio. (Underbody.)
Pioneer Latex & Chemical Co., Lincoln Blvd., Middlesex, N. J. "Placco."
St. Clair Rubber Co., 440 Jefferson Ave., E. Detroit 26, Mich. "Clair-Coat."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa. "Braemul."
Silvercote Products, Inc., 161 E. Erie St., Chicago 11, Ill.
Vibradamp Corp., 4401 Page Ave. Rd., Jackson, Mich.
Warren Refining & Chemical Co., 750 Prospect Ave., Cleveland 15, Ohio. "Vibra-seal."
Witco Chemical Co., 75 E. Wacker Drive, Chicago 1, Ill. "Witcote."

UNDERCUTTERS, Mica

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Atlas Press Co., 1842 N. Pitcher St., Kalamazoo 13D, Mich.
Dixie Machine Tool Div., Avey Drilling Machine Co., P. O. Box 625, Cincinnat 1, Ohio.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. (Portable electric.)
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Lanagan & Hoke, Easton Rd., Warrington, Pa.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
Red Devil Tools, Coit St., Irvington 11, N. J.
Rite Tool, Inc., 31 N. Seventh St., Fall River, Mass.
Weidenhoff, Inc., Joseph, Algona, Iowa. (Sole distributors, Bowser, Inc., Fort Wayne 2, Ind.)
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut."

UNIFORMS, See Fabrics, Uniform

UNIVERSAL JOINTS

(See also Shafts, Propeller)

Almetal Universal Joint Co., 1553 E. 55th St., Cleveland 3, Ohio.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill.
Bashian & Sons Co., Henry, 40375 Grand River Ave., Farmington, Mich. "Head Line."
Bendix Products Div., Bendix Aviation Corp., 401 Bendix Drive, South Bend 20, Ind. "Bendix-Weiss."
Blood Brothers Machine Co., Div. Standard Steel Spring Co., Allegan, Mich.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Cleveland Steel Products Corp., 7306 Madison Ave., Cleveland 2, Ohio.
Gear Grinding Machine Co., 3901 Christopher Ave., Detroit 11, Mich. "Rzeppa."
Gray & Prior Machine Co., 614 Windsor St., Hartford, Conn. "Universal." (For power take-off application.)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
M. D. Parts Mfg. 4395 E. Olympic Blvd., Los Angeles, Calif.
Mechanics Universal Joint Div., Borg-Warner Corp., 2030 Harrison Ave., Rockford, Ill.
Merit Products Co., 3541 E. Olympic Blvd., Los Angeles 23, Calif.
Morse Chain Co., 7601 Central Ave., Detroit 10, Mich. "Morflex."
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot."
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
New Process Gear Co., 500 Plum St., Syracuse, N. Y. "Tracta."
Parts Mfg. Co., 311 W. 66th St., N. Y. 23, N. Y. "Parco."
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Saginaw Steering Gear Div., General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer."
Standard Steel Spring Co., Coraopolis, Pa.
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Stow Mfg. Co., 445 State St., Binghamton, N. Y.
Torque Mfg. Co., 5239 Tillman Ave., Detroit 8, Mich. "Teddy Torque."
Universal Products Co., 6455 Kingsley Ave., Dearborn, Mich. "Detroit."
Western Automotive Co., 2118 S. Wabash Ave., Chicago 16, Ill.
Williams Engineering Corp., 224 Park Ave., Baltimore, Md.

UPPER CYLINDER LUBRICANTS, See Oil, Upper Cylinder

VALVE CLEANING TOOLS, See Tools, Valve Guide Cleaning

VALVE GRINDING COMPOUND, See Compounds, Valve Grinding

VALVE GRINDING HAND, See Tools, Valve Grinding and Lapping

VALVE GUIDES, See Guides, Valve

VALVE GUIDE INSTALLING AND REMOVING TOOLS, See Tools, Valve Guide Installing and Removing

VALVE LIFTERS, See Tools, Valve Lifting and Spring Compressing

VALVE REFACERS, See Refacers, Valve

VALVE SEAT GRINDERS, See Grinders, Valve Seat

VALVE SEAT INSERT, See Seats, Valve

VALVE SEAT INSTALLING, See Tools, Valve Seat Installing

VALVE SPRING TESTERS, See Testers, Valve and Clutch Spring

VALVES, Air Tank Drain

Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
George Mfg. Co., 10 Harvey St., Philadelphia 44, Pa.
Hamilton, L. L., 528 N.W., 8th St., Oklahoma City, Okla. "Dritank."
Master Equipment Corp., 15 N. Broadway, Dayton, Ohio (Automatic.)
Monroe-Standard, Inc., Wyandot Bldg., Galion, Ohio. "Pelton."
National Pneumatic Co., 125 Amory St., Boston 19, Mass.
Power Brake Parts Mfg. Co., 3435 S. Racine Ave., Chicago 8, Ill. "Robinson."
Quincy Compressor Co., 217 Maine St., Quincy, Ill.
Westinghouse Air Brake Co., Industrial Products Div., Wilmerding, Pa.
Wilkerson Corp., 1601 W. Girard Ave., Englewood, Colo.

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Eaton Mfg. Co., Valve Div., 9771 French Rd., Detroit, Mich.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Parts Processing Corp., 1499 E. Michigan Ave., Battle Creek, Mich. "Par-Plus." (For trucks and buses.)
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Remco Products Corp., State & Hay Sts., York, Pa.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
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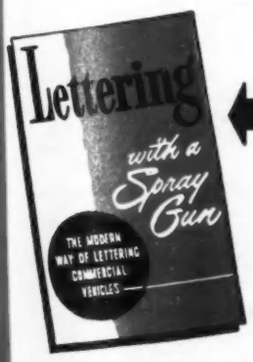

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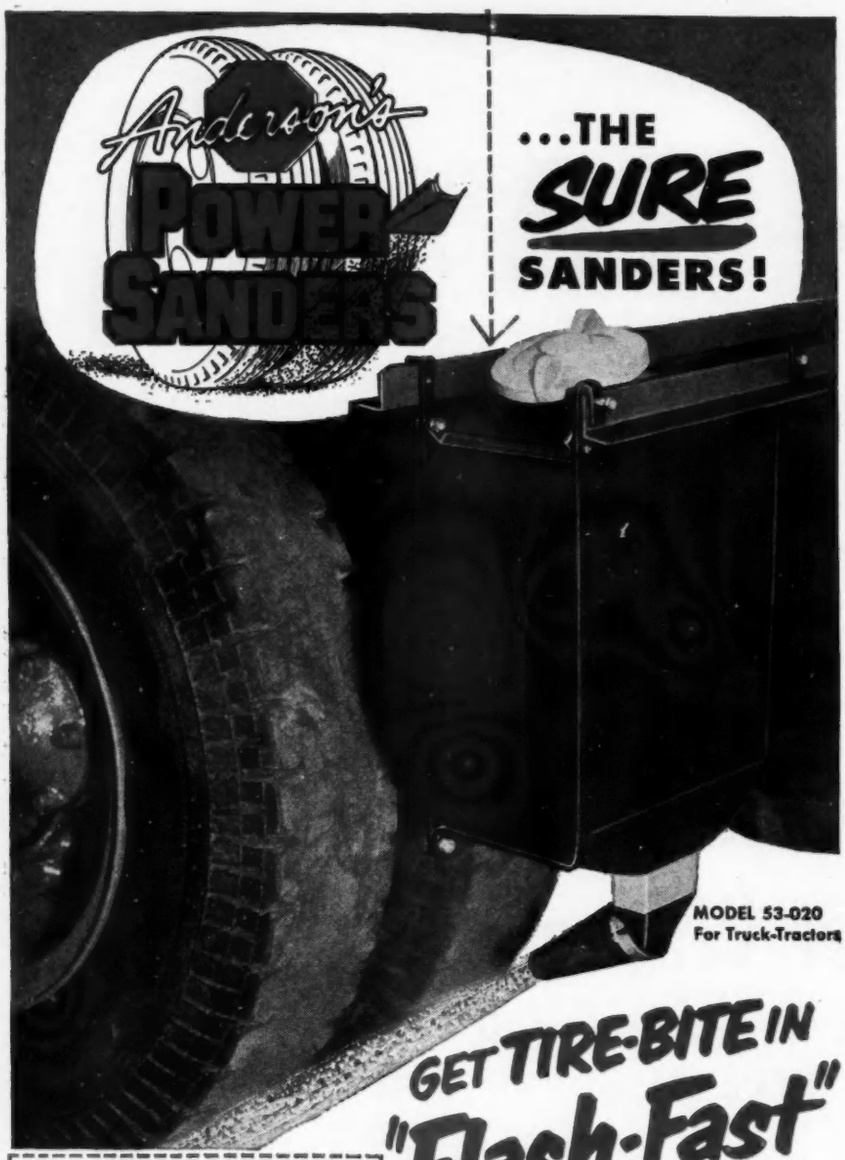

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Shand & Jurs Co., 8th & Carlton Sts., Berkeley 10, Calif. "S & J." (Truck Tank.)

VALVES, Shutoff, see Valves, Electromagnetic

VALVE TAPPETS, See Tappets, Valve

VALVES, Three-Way and Four-Way (Air)

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Hamilton, L. L., 528 N.W. 8th St., Oklahoma City, Okla. (Four-way.)
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Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind. (Cores only.)
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
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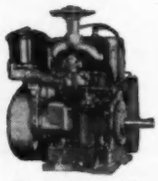
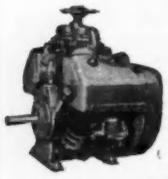
Power TO FIT THE JOB
Power TO FIT THE MACHINE

4-cycle single cylinder 3 to 9 hp.


2-cylinder models 7 to 14½ hp.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Starret Co., L. S., 1 Crescent St., Athol, Mass.
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VOLTAGE REGULATORS, See Regulators, Current and Voltage

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Henry Mfg. Co., 421 5th Ave., S. Minneapolis, Minn. "Henico." (Brushes.)
Kansas City Fountain Brush Mfg. Co., 3718 Main St., Kansas City, Mo. "K. C." & "Little Wonder." (Brushes.)
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Melaire Dist. Co., 420 Lexington Ave., N. Y. 17, N. Y. "Swirl-O-Matic." (Revolving brushes.)
Milwaukee Dustless Brush Co., 530 N. 22nd St., Milwaukee 3, Wis. "Speed-Wash."
Molded Specialties, Inc., 1333 E. 170th St., Cleveland, Ohio. (Wash pads.)
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Ransom Brush Co., 1051 W. Division St., Chicago 22, Ill.
Rapids Equipment Co., B. Ave. & Sixth St., N. W., Cedar Rapids, Iowa. (Brushes; sole distributors, Rapids Products Co., 220 Sixth St., N. W., Cedar Rapids, Iowa.)
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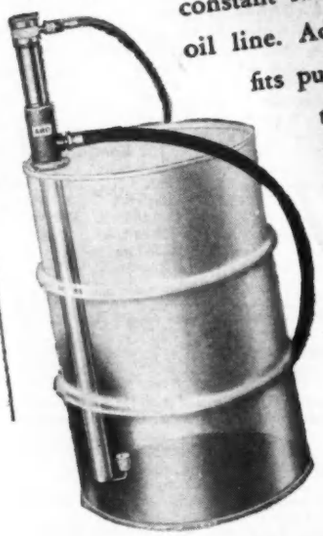

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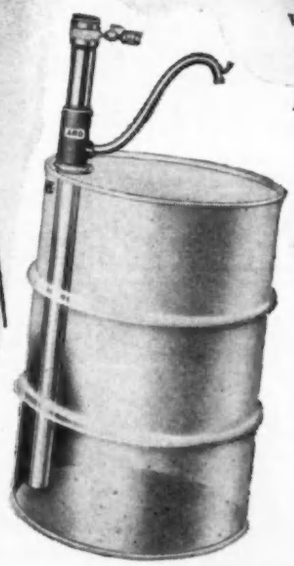
DELIVERS UP TO 20 GALLONS PER MINUTE!

Model 60060 . . . for motor oil, light-bodied grease, anti-freeze, paint, other fluids. Provides fast, easy, thrifty way to transfer fluids from bung-type drums to working containers or reservoirs. Low-cost, light-weight, durable . . . fits all bung-type drums, 100 to 400 lb. capacity . . . handles all light-bodied fluids.



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The Aro Equipment Corp., Bryan, Ohio

Without obligation, send bulletin giving complete details on the new Aro Motor Oil Supply Pump and Hi-Volume Transfer Pump.

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Company.....

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WASHERS, Metal Parts

Aeroil Products Co., Wesley St., South Hackensack, N. J. "Aeroil Heet-Master." "Aeroil Dipmaster."
Alvey-Ferguson Co., 75 Disney St., Oakley, Cincinnati 9, Ohio. "A-F."
Barrett Co., Leon J., 1477 Grafton St., Worcester, Mass. "Typhoon." (Centrifugal.)
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Blakeslee & Co., G. S., 1900 S. 52nd St., Cicero, Ill. "Niagara," "Blakeslee," "De-Greas-O."
Cincinnati Cleaning & Finishing Machinery Co., 317 Hecla St., Ironton, Ohio.
Clayborne Mfg. Co., 429 N. Man St., Monticello, Ind.
Colt's Mfg. Co., 17 Van Dyke Ave., Hartford, Conn. "Autosan."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill.
Detrex Corp., Box 501, Detroit 32, Mich.
Detroit Sheet Metal Works, 1308 Oakman Blvd., Detroit, Mich.
Drying Systems, Inc., 1810½ Foster Ave., Chicago 40, Ill. "Dry-Sys."
Eclipse Fuel Engineering Co., 1111 Buchanan St., Rockford, Ill. "McKee."

Fischer Industries, nc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Gray-Mills Corp., 3705 N. Lincoln Ave., Chicago 13, Ill.
Hanson-Van Winkle-Munning Co., Matawan, N. J.
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
J. P. Mfg. Co., 330 E. Front St., Youngstown 3, Ohio.
Kelite Products, Inc., Box 2917 Terminal Annex, Los Angeles 54, Calif.
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus Aja-Dip," "Magnus Miji-Dip."
Mahon Co., R. C., 6565 E. 8-Mile Rd., Detroit 34, Mich. (Combined belt conveyorized washer and dryer.)
Newcomb-Detroit Co., 5741 Russell St., Detroit 11, Mich. "Uni-Wash."
Peters-Dalton, Inc., 17924 Ryan Road, Detroit 12, Mich. (Combined belt conveyorized washer and dryer.)
Phillips Mfg. Co., 3475 Toughy Ave., Chicago 45, Ill. "Phillips Torrent."
Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer-Flo."
Protectoseal Co., 1920 W. Western Ave., Chicago 8, Ill. "Air-Matic."
Ransohoff, Inc., N., 16 E. 72nd St., Carthage, Cincinnati 16, Ohio.
Schmieg Industries, Inc., 308 Piquette St., Detroit 2, Mich.
Topper Equipment Co., 120 Central Ave., Rahway, N. J.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
U. S. Galvanizing & Plating Equipment Corp., 27-41 Heyward St., Brooklyn, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."

WASHERS, Steel

(Advertisers only)

Whitehead Stamping Co., 1685 W. Lafayette Blvd., Detroit 16, Mich.

WASHERS, Vehicle

(Water, steam and compressed air)

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich. (Steam.)
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Chem-Therm Mfg. Co., Pasadena, Calif.
Choldun Mfg. Corp., 331 East St., New Haven, Conn.
Clayton Mfg. Co., 1363 Ellis Lane, El Monte, Calif. "Clayton-Kerrick." (Steam.)
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. (Steam.)
Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis 20, Mo.
Deming Co., 884 S. Broadway, Salem, Ohio.
Detrex Corp., Box 501, Detroit 32, Mich. "Drex-Foamizer."
Friend Mfg. Co., East Ave., Gasport, N. Y.
General Equipment Div., Sterod Mfg. Co., 442 Frelinghuysen Ave., Newark 5, N. J.
Hardie Mfg. Co., Mechanic St., Hudson, Mich.
Homestead Valve Mfg. Co., (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny." (Steam vapor spray.)
Hydro-Air Cleaning Systems, Inc., 11311 Miles Ave., Cleveland 5, Ohio.
Jetomatic, Inc., 150 Wakelle Ave., Ansonia, Conn.
Kelite Products, Inc., 130 E. Elmyra St., Los Angeles 12, Calif. "Kelite."
Malsbary Mfg. Co., 845 92nd Ave., Oakland 3, Calif. (Steam.)
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Ross & White Co., Chicago Daily News Bldg., Chicago 6, Ill. "Backhall." (Automatic.)
Southwest Pump Co., First & Center Sts., Bonham, Tex.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
U. S. Washmobile Corp., 350 N. Foothill Road, Beverly Hills, Calif.
Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.

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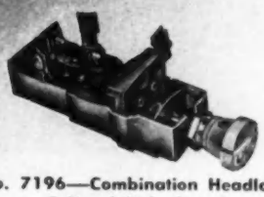

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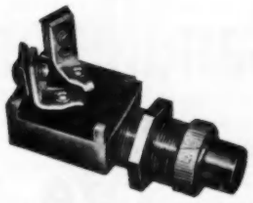
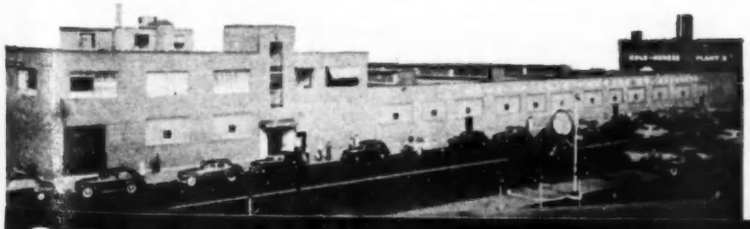


No. 9023 — Starter Switch



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WASHERS, Windshield (Vacuum Operated)

Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.

WAX, See Polish, Body

WEATHER STRIPS

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Atlantic India Rubber Works, Inc., 571 Polk St., Chicago 7, Ill.
Automotive Products Div., Crotty Corp., 39 E. Chicago Ave., Quincy, Mich. "Yankee-seal."
Backstay Welt Co., Oak & Howard Sts., Union City, Ind. "Tricord."
Bridgeport Fabrics, Inc., 165 Holland Ave., Bridgeport 1, Conn. "Inner Seal." (Door.)
Brockton Stay Co., 24 Essex St., Haverhill, Mass.
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Carter Co., George R., 630 Lycaste Ave., Detroit, Mich.
Chardon Rubber Co., Chardon, Ohio.
Continental Rubber Works, 1946 Liberty St., Erie, Pa., "Vitalic."
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Dryden Rubber Div., Sheller Mfg. Corp., 1014 S. Kildare Ave., Chicago 24, Ill.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn. (Windshield, window, door and trunk.)
G & C Products Co., Lindale Rd., Amelia, Ohio. (Also door and trunk.)
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hamilton-Wade Co., 52 Haverhill St., Brockton 62, Mass.
Hope Webbing Co., Providence, R. I.
Industrial Rubber Goods Co., St. Joseph, Mich.
Inland Mfg. Div., General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Johnson Rubber Co., Middlefield, Ohio.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Kar-Seal." "Stix On."
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Holdfast."
Kravex Mfg. Co., 273 Van Sinderen Ave., Brooklyn 7, N. Y. "K M." (Door and trunk.)
Lange Machine Works, Henry G., 150 N. May St., Chicago 7, Ill.
Lorraine Mfg. Corp., 54 W. Hunter Ave., Maywood, N. J.
Roberts Toledo Rubber Co., Prospect & MC R. R., Toledo 6, Ohio.
Schwartz Rubber Corp., 3708 Payne Ave., Cleveland 14, Ohio. "Fits-All" (Trunk.)
Sponge Rubber Products Co., Howe Ave., Shelton, Conn. "Spongex." (Door.)
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Union Welt Corp., 2727 W. Roscoe St., Chicago 18, Ill. "Sealtite."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Van Cleef Bros., Inc., 7800 So. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand Rub-R-Shim."
Western Felt Works, 4029 Ogden Ave., Chicago 23, Ill.

WEATHER STRIP ADHESIVE

Carborundum Co., Niagara Falls, N. Y.

WEIGHTS, Wheel Balancing

Amplex Engrg. Co., 2510 Grand Ave., New Castle, Ind.
Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Mfg. Co., P. O. Box 569, Davenport, Iowa.
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Lucas Mfg. Corp., 309 S. Union St., Kokomo, Ind.
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Mid-Western Auto Parts, 824 E. Elm St., Kokomo, Ind. "Snugl."
Namsco, Inc., 1808 S. Michigan Ave., Chicago 16, Ill. "National."
Perfect Equipment Corp., 804 W. Morgan St., Kokomo, Ind.
Pouell Mfg. Co., 813 Burlington Ave., Logansport, Ind. "Excel."
Speedmaster, Ltd., 630 E. 10th St., Oakland 4, Calif.
Turner Mfg. Co., 404 W. Superior St., Kokomo 2, Ind. "Snap-Tite," "D & T."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Wheel Weights, Inc., 122 S. First St., Ann Arbor, Mich.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

WELDERS and EQUIPMENT, Electric (Arc)

Agnew Electric Co., 121 S. Main St., Milford, Mich. (Automatic.)
Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B & G."

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Life

Toughness

Tung-Sol lamps are especially engineered for truck and bus service. They've got physical stamina to withstand the vibration of high speeds . . . the structural ruggedness to withstand shock—slamming into loading platforms—banging over railroad crossings and pavement breaks. That's what causes lamps to fail—and that's what Tung-Sol lamps are built to withstand.

Tung-Sol 12-16 volt lamps are made to cut down replacement frequency and to keep your drivers out of trouble on the road. They're made for your kind of service. Buy Tung-Sol lamps.

TUNG-SOL ELECTRIC INC.
Newark 4, N. J.

Sales Offices: Atlanta, Chicago, Columbus, Culver City (Los Angeles), Dallas, Denver, Detroit, Newark, Philadelphia, Seattle.

TUNG-SOL makes All-Glass Sealed Beam Lamps, Miniature Lamps, Signal Flashers, Picture Tubes, Radio, TV and Special Purpose Electron Tubes and Semiconductor Products.

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DITZLER RIP-RAP OFFERS YOU THESE 3 GREAT FEATURES

1 Unusually high solid content with more film-forming materials gives maximum filling—fewer coats are needed.

2 Unequalled adhesion contributes to durability of finish and keeps paint jobs looking better longer.

3 Superior hold-out assures the uniform appearance and maximum lustre of finishing coat.

Available in dark gray, neutral gray, red oxide and white.

EVERY DITZLER PRODUCT is the best that more than half a century devoted exclusively to the making of fine automotive finishes can produce.

● Ditzler began by making fine japan colors for carriages. These finishes were used on many of the earliest automobiles. As these vehicles evolved into the modern motorcar, Ditzler contributed to its improvement by developing and perfecting more attractive and longer-lived finishes. These coatings are now used in varying quantities by most of today's manufacturers of motor cars, trucks and buses. This acceptance was earned the hard way—by consistently *dependable performance.*

● Today, Ditzler's complete line includes everything needed to make an automotive vehicle look better longer. That's why so many paint shops use Ditzler Finishes exclusively. They know these superior finishes do the job more efficiently, more economically and with greater satisfaction to the car owner.

DITZLER COLOR DIVISION, PITTSBURGH PLATE GLASS COMPANY
Detroit 4, Michigan

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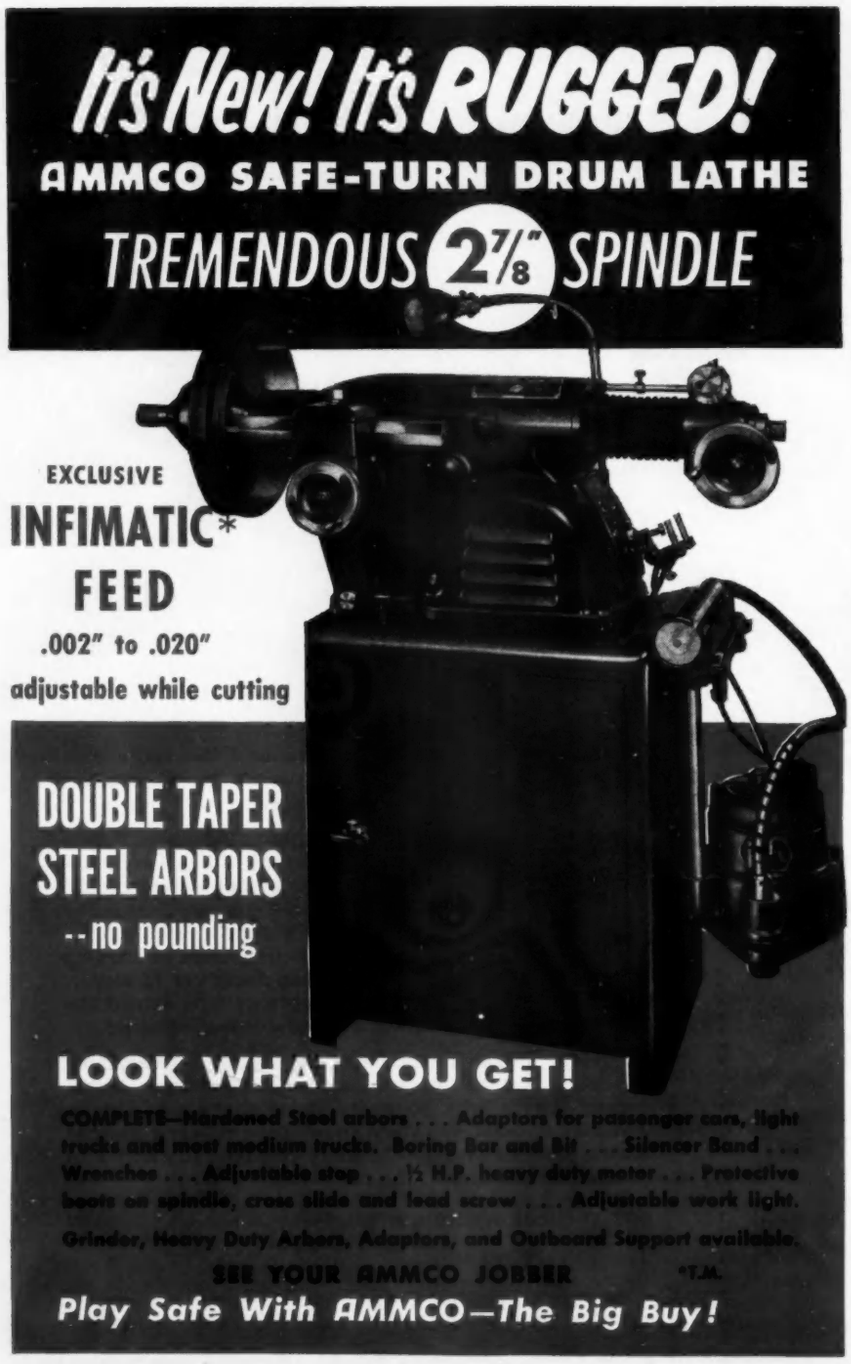
PITTSBURGH PLATE GLASS COMPANY

WELDERS—*continued*

Borm Mfg. Co., 23 N. Union St., Elgin, Ill. "Elgin."
Couse Mfg. Inc., 300 Passaic St., Newark 4, N. J.
Delta Power Tool, Div. Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa.
Ergolyte Mfg. Co., 3627 N. Lawrence St., Philadelphia 40, Pa.
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Hammett Electric Mfg. Co., 706 E. 18th St., Kansas City 8, Mo. (Portable.)
Harnischfeger Corp., 4400 W. National Ave., Milwaukee 14, Wis. "P & H."
Hobart Bros. Co., Canal Locks Square, Troy 1, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio. "Shield-Arc," "Fleetwelder," Manual; "Lincolnweld," "Electric Tornado." (Automatic.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Also combination bonder and arc welder.)
Metal & Thermit Corp., 100 E. 42nd St., New York 17, N. Y.
Mid-States Welder Mfg. Co., 6025 So. Ashland Ave., Chicago 36, Ill. "Mid-States Metal Zipper." (Also "Missing Link" stabilizers.)
Miller Electric Mfg. Co., 718 S. Bounds St., Appleton, Wis.
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "Sureweld."
Precision Welder Mfg. Co., 660 Grand Ave., Chicago, Ill.
Progressive Welder Sales Co., Viking Div., 3070 E. Outer Drive, Detroit 34, Mich.
Smith Corp., A. O., 27th & Hopkins Sts., Milwaukee 1, Wis.
Smith Welding Equipment Corp., 2633 Fourth St., S. E., Minneapolis 14, Minn.
Trindl Products, Ltd., 17 E. 23rd St., Chicago 16, Ill. (Welding.)
US Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa. "Flex-Arc."



AMMCO TOOLS, INC. 2118 COMMONWEALTH AVE. • NORTH CHICAGO, ILLINOIS

WELDERS and EQUIPMENT, Oxy-Acetylene

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York, N. Y. "Airco."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Dockson Co., C. H., 3839 Wabash Ave., Detroit 8, Mich. (Regulators.)
K-G Equipment Co., 1744 Lehigh St., Allentown, Pa.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld," "Prest-O-Weld," "Purox."
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. "Gasweld."
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. (Portable acetylene generators.)
Modern Engineering Co., 3411 Pine Blvd., St. Louis 3, Mo. "Meco."
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago, Ill. "Rego."
Sight Feed Generator Co., West Alexandria, Ohio. (Acetylene generators.)
Smith Welding Equipment Corp., 2633 Fourth St., S. E., Minneapolis 14, Minn.
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston 27, Mass.
Victor Equipment Co., 844 Folsom St., San Francisco 7, Calif.

WELDING CABLE, See Cable, Welding

WELDING COMPOUNDS, See Compounds, Welding

WELDING HOSE, See Hose, Welding

WELDING RODS, See Rods, Welding

WHEEL ALIGNMENT EQUIPMENT, See Gages, Wheel and Axle Aligning

WHEEL BALANCING MACHINES, See Balancers, Wheel

WHEELS, Fifth

American Steel Foundries, 410 N. Michigan Ave., Chicago 11, Ill. "A.S.F."
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill. (Hydraulic.)
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio. (Elevating.)
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton 1, Ohio.
Eidal Mfg. Co., 250 Woodward Rd. S.E., Albuquerque, New Mexico.
Fontaine Truck Equipment Co., 1232 37th Place N., Birmingham, Ala.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hodo & Vandegriff, Inc., Box 2127, Montgomery, Ala. (Fifth wheel No-tilt lock.)
Holland Hitch Co., 430 W. 18th St., Holland, Mich. "Apgar," "Holland."
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Calif.

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WHEELS, Fifth—*continued*

Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky. "Kingham-Universal."
Pollard Co., C. E., 14571 Schaefer Rd., Detroit 27, Mich. (Hydraulic elevating.)
Spencer-Safford Loadcraft, Inc., Augusta, Kan.
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Weber Trailer & Mfg. Co., 1100 E. Fifth St., Los Angeles, Calif.

WHEELS, Grinding

Allison Co., 257 Island Brook Ave., Bridgeport 8, Conn.
Automatic Steel Products, Inc., 1201 Camden Ave., S.W., Canton 6, Ohio.
Bay State Abrasive Products Co., 12 Union St., Westboro, Mass.
Behr-Manning Corp., Troy, N. Y.
Besley-Welles Corp., 20 N. Wacker Drive, Chicago 6, Ill.
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
Cincinnati Milling Machine Co., Milling Products Div., Marburg Ave., Cincinnati 9, Ohio.
DeSanno & Son, A. P., Wheatland St., Phoenixville, Pa.
Dessau Co., Maurice S., 535 5th Ave., New York 17, N. Y.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Industrial Diamond Co., 2392 Wolcott Ave., Ferndale 20, Mich.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.
Keystone Reamer & Tool Co., Millersburg, Pa.
Madison-Kipp Corp., 201 Waubesa St., Madison 10, Wis.
Metal Carbides Corp., 107 E. Indianola Ave., Youngstown 7, Ohio. "Talide" (Diamond).
Mid-West Abrasive Co., 510 S. Washington St., Owosso, Mich.
Millers Falls Co., Greenfield, Mass.
Norton Co., 1 New Bond St., Worcester 6, Mass.
Peninsular Grinding Wheel Co., 729 Meldrum Ave., Detroit 7, Mich.
Precision Grinding Wheel Co., 8301 Torresdale Ave., Philadelphia 36, Pa.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J.
Simonds Abrasive Co., Tacony & Fraley Sts., Philadelphia 37, Pa.
Simonds Worden White Co., 1101 Negley Place, Dayton 7, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Sterling Abrasives Div. of Cleveland Quarries Co., Wall St., Tiffin, Ohio.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Wheel & Abrasive Corp., 400 N. Ashland Ave., Chicago 22, Ill.
Western Hardware & Specialty Mfg. Corp., 3830 N. Fratney St., Milwaukee 12, Wis.
Wickman Mfg. Co., 15533 Woodrow Wilson Ave., Detroit 3, Mich.

WHEELS, Vehicle (Cast Metal)

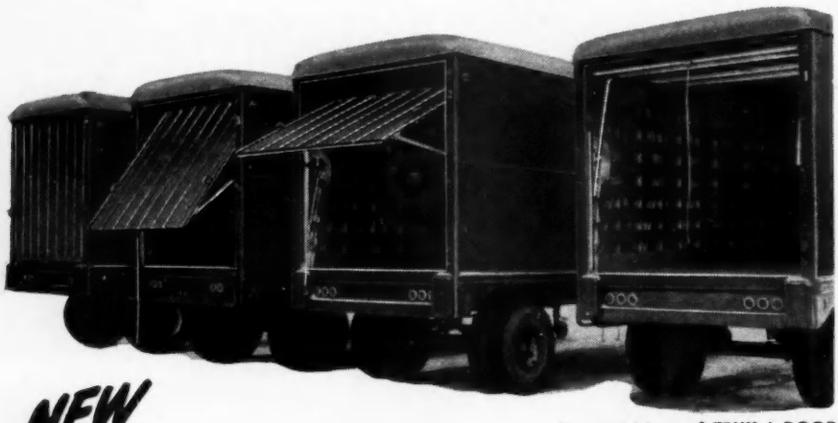
Aluminum Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa.
Clark Equipment Co., Buchanan, Mich. (Truck and bus.)
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio. (Spoke types.)
Eastern Malleable Iron Co., 112 Bridge St., Naugatuck, Conn.
Erie Malleable Iron Co., Automotive Wheel Div., 609 W. 12th St., Erie, Pa.
Gunite Foundries Corp., 302 Peoples Ave., Rockford, Ill. (Truck.)

WHEELS, Vehicle, Disc

Aluminum Company of America, Pittsburgh 19, Pa.
Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. (Truck.)
Motor Wheel Corp., 701 E. Saginaw St., Lansing 3, Mich. "Disteel."

WHEELS, Trailer

Budd Co., Wheel Div., 12141 E. Charlevoix Ave., Detroit 14, Mich.
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio.
Differential Wheel Corp., 5169 Martin Ave., Detroit 10, Mich. (Differential dual.)
Erie Malleable Iron Co. (Automotive Wheel Div.), 609 W. 12th St., Erie, Pa. (Single and dual pneumatic, malleable iron.)
French & Hecht, Div. Kelsey-Hayes Wheel Co., Third & Farnam St., Davenport, Iowa.
Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio.
Gunite Foundries Corp., 302 Peoples Ave., Rockford, Ill. (Cast steel.)
Homan & Co., Inc., 511 Reading Rd., Cincinnati 15, Ohio.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Motor Wheel Corp., 735 E. Saginaw St., Lansing 3, Mich. (Disc steel.)
Permold Co., 820 W. Liberty St., Medina, Ohio. (Aluminum.)



Four positions of TRUK-A-DOOR from closed to full opening

NEW K-D TRUK-A-DOOR
(knock-down)

Fits any Truck or Trailer

OPENS FASTER
CLOSES FASTER
STOPS DAMAGE
CUTS DELIVERY COSTS
REDUCES LOADING AND UNLOADING TIME

K-D door is biggest expense-saver to hit the truck operator . . . . .

The NEW K-D TRUK-A-DOOR is shipped knock-down. It is packaged and shipped from stock. No waiting. Immediate delivery. It will fit any opening from 72" to 90" in width and 72" to 90" in height. A novice can assemble and install. TRUK-A-DOOR is the longest-lasting, money-saving door you can put on your truck or trailer. Send for descriptive folder.

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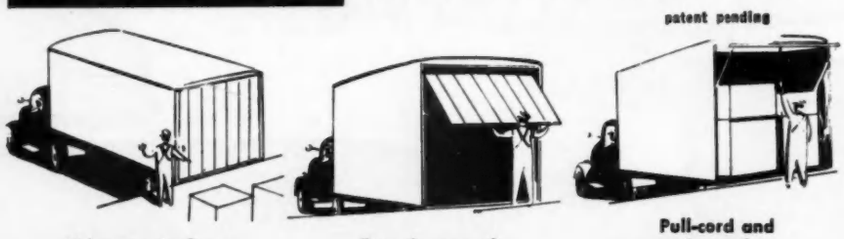

Driver spots closer without damage — Door is opened AFTER SPOTTING — Pull-cord and spring-action closes door

TRUK-A-DOOR COMPANY
2457 Woodward Ave. • Detroit 1, Michigan

with AUTOPULSE

Experience

is your best evidence of savings

Check with prominent truck and fleet owners all over America and they will tell you that when their trucks and buses are equipped with Autopulse Electric Fuel Pumps they actually save *THREE WAYS:*

1. *by avoiding roadside delays due to vapor lock.*
2. *by saving on labor overtime when vehicles operate on schedule.*
3. *by saving on the amount of money tied up on replacement pump inventories, since only one Autopulse basic model is needed to fit all vehicles.*

THE AUTOPULSE ELECTRIC FUEL PUMP:

1. *gives instant starts in extreme hot or cold weather.*
2. *operates efficiently at any temperature from 90° below zero to point of evaporation of fuel.*
3. *is truly the universal fuel pump, for one basic model fits all vehicles.*
4. *All parts are replaceable in the field.*
5. *is easy to install — instructions accompany every pump package.*
6. *sold by authorized distributors all over the world — parts and service and exchange units available everywhere.*

A dependable motor fuel supply is your best assurance that you can keep every bus or truck on the job — avoid costly delays and roadside repairs. AUTOPULSE has been road-tested for more than a quarter of a century — on trucks, buses and passenger cars Autopulse Electric Fuel Pumps have delivered millions of miles of economical and dependable performance.

rigid quality and production controls insure you of an "a-no. 1" pump

AUTOPULSE *the heart of your motor*

AUTOPULSE CORPORATION 218 E. Dowland St., Ludington, Mich.

WINCHES, Truck

Adams Engineering Co., 29201 Solon Rd., Solon, Ohio.
Beebe Bros., 2724 Sixth Ave., S., Seattle 4, Wash. (Hand.)
Braden Winch Co., Box 547, Broken Arrow, Okla.
Eagle Mfg. Co., 414 E. Winnebago St., Appleton, Wis.
Erie Hoist Co., 2000 Holland St., Erie, Pa.
Gar Wood Industries, Inc., Wayne, Mich. "GW."
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
Hubbard Mfg. Co., Farmland, Ind. (Power.)
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill. (Hand.)
Lufkin Foundry & Machine Co., Lufkin, Tex.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Meili-Blumberg Co., 1615 Wisconsin Ave., New Holstein, Wis. "M-B."
Ramsey Winch Mfg. Co., Box 3035, 5531 E. Admiral Place, Tulsa 8, Okla.
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
Round & Son, David, Box 883, Cleveland 22, Ohio. (Hand.)
Sasgen Derrick Co., 3101 Grand Ave., Chicago 22, Ill.
Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y.
Six Wheels, Inc., 1584 E. 20th St., Los Angeles 11, Calif. "Maxi."
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, L. I., N. Y.
Truck Engineering Co., 1285 W. 70th St., Cleveland 2, Ohio.
Tulsa Winch Div. of Vickers, Inc., 823 E. First St., Tulsa, Okla.

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America's favorite floor "dry cleaner"

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No idle statement, that! For America buys more Sol-Speedi-Dri than any other oil and grease absorbent. That's because pound for pound, dollar for dollar, Sol-Speedi-Dri gives *more for the money*, all factors considered. "Dry cleaning" with Sol-Speedi-Dri is *your* best way to keep floors clean and slip-proof. Send coupon today for free sample and literature.

Warehouse stocks maintained in principal cities of the United States and Canada.

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Inquirers in New York, New England, and New Jersey should write to Speedi-Dri Corp. Elsewhere in U. S. to Waverly Petroleum Products Co., 1724 Chestnut St. Phila. 3, Pa. In Canada, G. H. Wood & Company Ltd., Toronto. Branches throughout Canada.

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CCJ-11-53

WIPERS, Windshield (Air)

Marquette Metal Products Co., 1145 Galewood Drive, Cleveland 10, Ohio.
National Pneumatic Co., 125 Amory St., Boston 19, Mass.
Sprague Devices, Inc., Huron St., Michigan City, Ind. "Air Push."
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. (For trucks and buses.)

WIPERS, Windshield (Electric)

American Bosch Corp., 3664 Main St., Springfield 7, Mass. "American Bosch Neverstall."
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y.
Electric Auto-Lite Co., Lamp Div., Lockland, Ohio.
Electric Auto-Lite Co., Owen-Dyneto Div., 1930 Park St., Syracuse, N. Y.
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. (For bus and trolley.)
Redmond Co., Owosso, Mich.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Stewart-Warner Corp., 1826 Diversey Parkway, Chicago, Ill.
Storm-King Products Co., 148-08 95th Ave., Jamaica 4, N. Y.

WIPERS, Windshield (Vacuum)

Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.

WIRE, IGNITION, STARTING AND LIGHTING, See Cable, Ignition, Starting and Lighting

WRECKERS, See Cranes, Service Truck

WRENCHES, Portable Electric

Chicago Pneumatic Tool Co., 6 E. 44th St., New York 17, N. Y. "Universal."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

WRENCHES, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y.
Cleco Div. of Reed Roller Bit Co., 5125 Clinton Drive, Houston 1, Texas.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

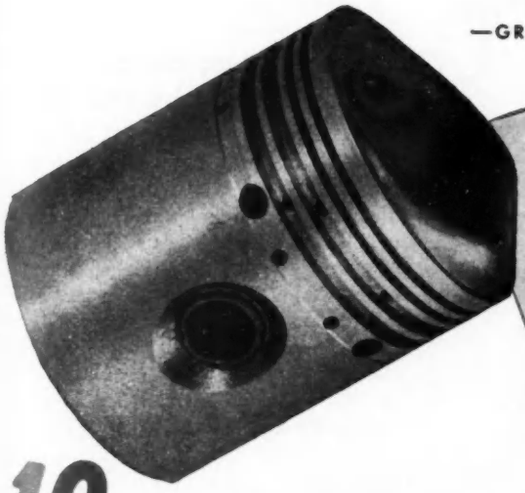
WRENCHES, Torque

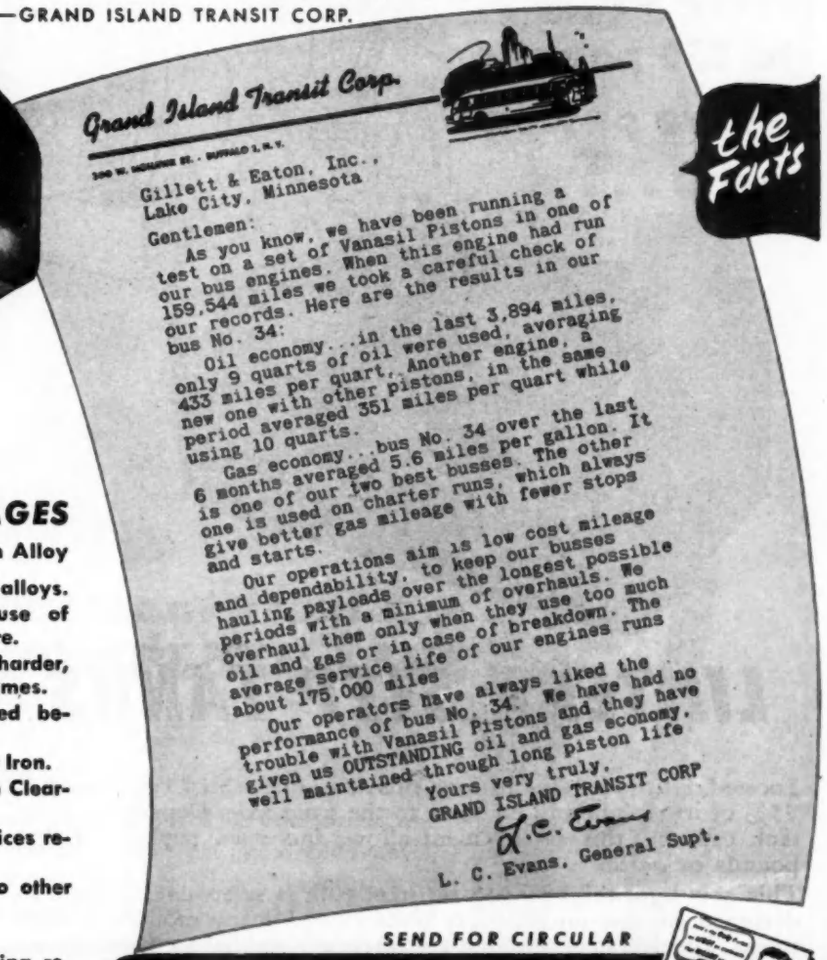
Airdraulics Engineering Co., Burtis Ave., New Canaan, Conn. "Trutorq."
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Apco Mossberg Co., Lamb St., Attleboro, Mass.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Blackhawk Torkflash."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
C. & G. Wheel Puller Co., Scio, N. Y. (Preset.)

another VANASIL performance record

"OUTSTANDING Oil and Gas Economy, well maintained through long piston life"-

—GRAND ISLAND TRANSIT CORP.





Grand Island Transit Corp.

300 W. Delaware St. · Buffalo 2, N. Y.

Gillett & Eaton, Inc.,
Lake City, Minnesota

Gentlemen:

As you know, we have been running a test on a set of Vanasil Pistons in one of our bus engines. When this engine had run 159,544 miles we took a careful check of our records. Here are the results in our bus No. 34:

Oil economy...in the last 3,894 miles, only 9 quarts of oil were used, averaging 433 miles per quart. Another engine, a new one with other pistons, in the same period averaged 351 miles per quart while using 10 quarts.

Gas economy...bus No. 34 over the last 6 months averaged 5.6 miles per gallon. It is one of our two best busses. The other one is used on charter runs, which always give better gas mileage with fewer stops and starts.

Our operations aim is low cost mileage and dependability, to keep our busses hauling payloads over the longest possible periods with a minimum of overhauls. We overhaul them only when they use too much oil and gas or in case of breakdown. The average service life of our engines runs about 175,000 miles

Our operators have always liked the performance of bus No. 34. We have had no trouble with Vanasil Pistons and they have given us OUTSTANDING oil and gas economy, well maintained through long piston life

Yours very truly,
GRAND ISLAND TRANSIT CORP

L. C. Evans

L. C. Evans, General Supt.

the Facts

10 VANASIL ADVANTAGES

Patented Vanadium — Silicon — Aluminum Alloy

1. **LIGHT WEIGHT—Same as other aluminum alloys.**
2. **SCORING, SCUFFING MINIMIZED—Because of "Oil-absorbing" microscopic porous texture.**
3. **LONGER LIFE—30% less friction—30% harder, outwears other aluminum alloys several times.**
4. **TOP RING—Breakage virtually eliminated because of reduced ring groove wear.**
5. **LOW EXPANSION—Characteristics of Cast Iron.**
6. **CLOSE CLEARANCE—Fitted with Cast Iron Clearances.**
7. **SOLID SKIRT DESIGN—No expansion devices required.**
8. **HIGH HEAT CONDUCTIVITY — Similar to other aluminum alloys.**
9. **GRAIN GROWTH—None.**
10. **PLATING—No tin or other break-in coating required.**

Get all the facts on tough, light VANASIL Pistons—send coupon today for circular and price list for both gasoline and diesel engines.

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Please send circular and prices on Vanasil Pistons in over 60 types and sizes for gasoline and diesel engines.

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WRENCHES, Torque—*continued*

Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way."
Chicago Tool & Kit Mfg. Co., 667 W. Randolph St., Chicago 6, Ill.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
J O Mfg. Co., 8442 Otis St., South Gate, Cal. "Joel," "Joex," "Jomi," "Jote."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
New Britain Machine Co., South St., New Britain, Conn. "New Britain" and "None Better."
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif.
Reasor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill.
Richmont, Inc., 808 W. Santa Anita St., San Gabriel, Calif. "Livermont Torq-Stop."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Sturtevant Co., P. A., Addison, Ill.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Measurrench."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

WRENCHES, TIRE, See Tools, Tire

WRENCHES, Two-Speed Axle

Automotive Service Tools, Inc., Lansing, Mich.

WRIST PINS, See Pins, Piston

LINTERN STEP TANKS

Located right under the cab door, this new Lintern Step Tank transfers 75% of its weight and contents to the front axle. Depending upon tank capacity, this arrangement allows increased payload of 850 pounds or more.

This new lightweight, crash-resistant tank is safety-engineered . . . designed for use on all heavy tractors and many models of light trucks. Formed steel supports are integrally welded to the tank and suspend it from the tractor frame . . . secure from road shock, metal fatigue and torsion.

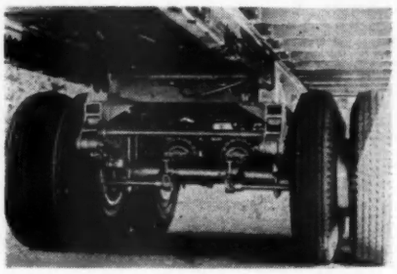
Lintern Step Tanks are supplied in 40, 50, 60 and 70 gallon capacities for gasoline or diesel fuel. Dual installation capacity is from 80 gallons to 140 gallons.

Like all Lintern products, this new step tank is subject to the rigid periodic inspection of Underwriter's Laboratories, Inc. The new model also meets manufacturing and installation specifications of the Bureau of Motor Carriers, Interstate Commerce Commission.

THE LINTERN CORPORATION
ROUTE 20, EAST • PAINESVILLE, OHIO

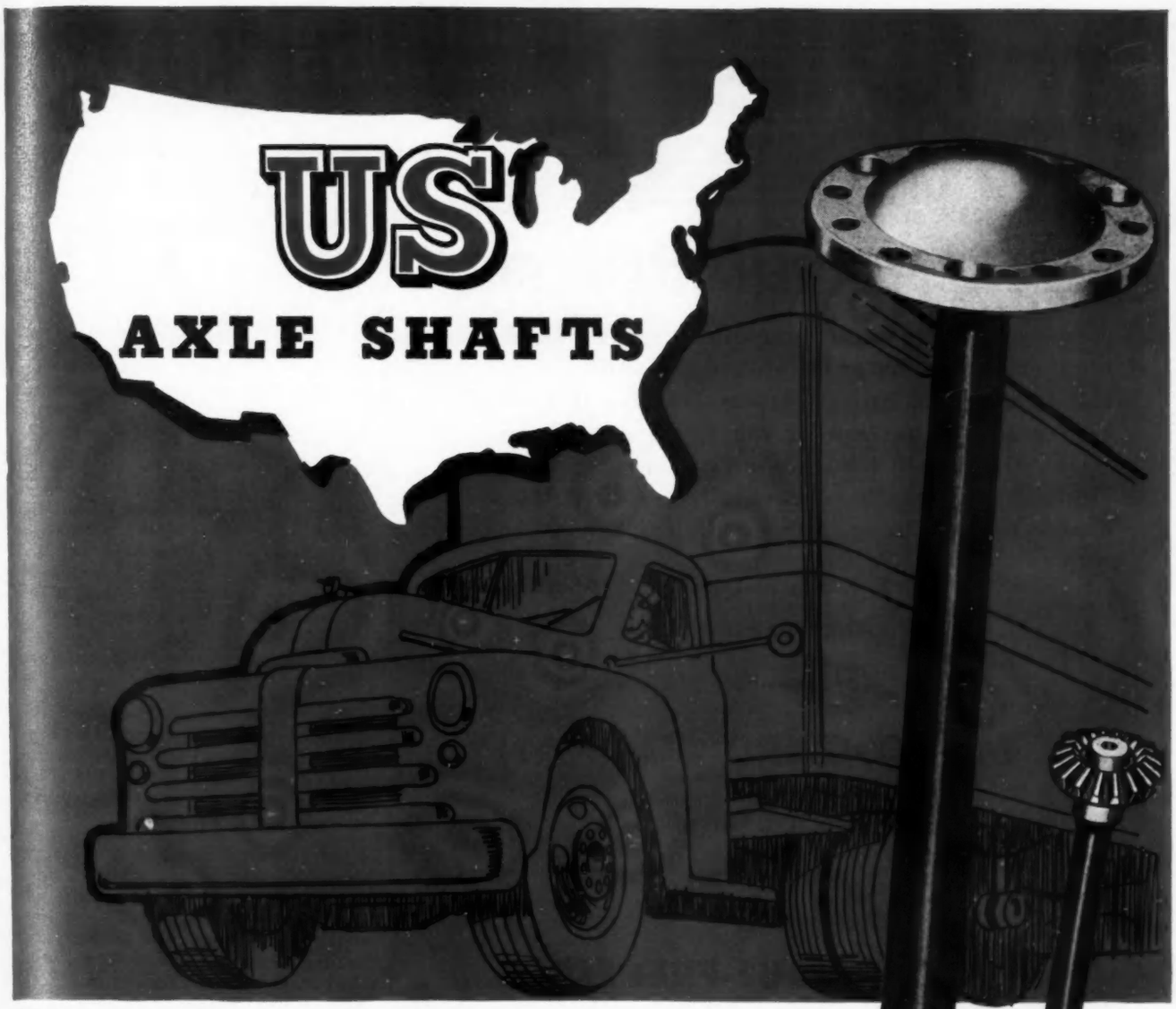
Axle Load Equalizer Announced by DeLay

YOU CAN equalize axle loads without reloading your trailers according to DeLay Industries, Inc., St. Louis, Mo., manufacturers of a new movable running gear which can be installed on either new or old equipment. Called the "DeLay Load Equalizer," it is a multi-position, movable running gear consisting of an upper slide rail and a "U" shaped lower channel which permits axles to be adjusted at two inch intervals along a standard 14 ft length.



Some of the advantages claimed for this axle load equalizer are: (1) trailers may be loaded to maximum weights and axles balanced after trailer is locked and sealed; (2) eliminates segregating freight; (3) permits changing from three axle to two axle tractors, or vice-versa, without reloading; (4) allows extension of the bridge in bridge formula states; (5) solves the diminishing load problem; (6) permits changing trailer from tandem to single axle, or vice-versa; (7) allows tandem to be removed for repairs and a spare inserted in minutes.

Wheels are moved by releasing the holding pins, locking trailer brakes and moving the tractor either forward or backward. Axle weights can be equalized in less than two minutes.



Choose Your Replacement from the WORLD'S MOST COMPLETE LINE

for Every Truck and Bus . . .

REGARDLESS OF MAKE OR MODEL!

YOU'LL FIND exactly the right axle shaft for *your* vehicle—for *any* vehicle—in the U. S. line! Precision-made from finest alloy steels, with all the skill of our 33 years of axle experience. Utmost accuracy in machining . . . latest heat-treating techniques . . . rigid testing and inspection at every step . . . combine to give you long-lasting, uniformly tough and durable axles. For dependable, trouble-free replacement, choose U. S.—the Axle Shafts of *guaranteed* quality!

Contact your U. S. AXLE Jobber — he's the *better* jobber in your territory for *all* top-quality replacement parts. Or write direct for big new catalog — today!

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Since 1920 • POTTSTOWN, PENNSYLVANIA

"THE WORLD TURNS ON U. S. AXLES"

ALLOY STEEL US AXLES BRINELL Tested

REDUCE MAINTENANCE COSTS

Moto-Gard will protect your Motor against Damage from an Oil-Failure or Overheating. It automatically stops the Motor Ahead of Any Damage if the Oil Pressure runs too low or the Motor gets too hot. MOTO-GARD will make your Equipment Safer and More Profitable. Use Moto-Gard to reduce Maintenance Costs and insure Longer Life for Your Motors.

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Operate a

SLUDGE-FREE FLEET...

Don't Allow Sludge to Form!

Make sure that water vapor is completely vented from the crankcase by using Magnus Metaffin. You'll have no harmful sludge, even on the worst stop-and-go service.

Write for details on how Magnus Metaffin, regularly added to your lube oil, will stop sludge!

magnus

MAGNUS CHEMICAL CO., INC.
38 South Ave., Garwood, N. J.
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Fleetman's Library

Oil filters and cartridges, flexible oil lines and kits made by Wix Corp. are described in a new, 48-page, 3-color catalog. Write the company at Gastonia, N. C., for your copy of Catalog No. 53.

Elevating truck tailgate is described in a 4-page folder available from The Heil Co., Milwaukee 1, Wis. Ask for Bulletin No. BH-53105.

Lubrication equipment manufactured by Gray Co. is fully described in its new catalog, No. 201. Also included are several new ideas for using lube equipment. The address is 1019 Sibley St., Minneapolis, Minn.

Truck refrigeration, six different ways, is described in a new booklet on the use of a power take-off refrigeration system in combination with different refrigerating systems. Write Kold Hold Division, Tranter Mfg., Inc., 735 East Hazel St., Lansing 4, Mich., for a copy of Bulletin No. KT-43. The company also has available a new catalog, No. 53, describing its complete line of "hold-over" truck refrigeration plates.

Floors—shop, terminal or office—have to meet certain requirements. This booklet, available from The Monroe Co., Inc., 10703 Quebec Ave., Cleveland 6, Ohio, might give you some ideas for repairing or resurfacing defective floors.

Machine tool attachments and accessories are described in this well illustrated single sheet catalog, that folds into handy pocket-size. You can get a copy of this brief description of the company's line from South Bend Lathe Works, South Bend 22, Ind. Ask for Catalog No. 5321C.

Materials handling problems, a full dozen, are described and illustrated along with their solutions in the October issue of *Lever* that you can get by writing Lewis-Shepard, Dept. R-31, Watertown, Mass.

Pressure plugs that seal tight without sealing compound by crushing crests and roots in softer threads of mating, tapped parts are discussed in a new bulletin available from Standard Pressed Steel Co., Box No. 747, Jenkintown, Pa.

Operating Rights of Motor Carriers is the title of a just-published, 250-page book covering court and ICC decisions on questions of motor carrier transportation authority and services. The two opening chapters give a brief history of the industry and explain the workings of the regulatory agencies in interstate commerce, chiefly the Interstate Commerce Commission. Six other chapters discuss, citing leading decisions, operating rights of common carriers and contract carriers, as well as private carriage, exempt carriage and brokerage. Author is Charles A. Taff, associate professor of transportation, College of Business and Public Administration, University of Maryland. Copies are available, at $4.00 each, from Wm. C. Brown Co., 915 Main St., Dubuque, Iowa.

MARMON-HERRINGTON All-Wheel-Drive FORDS

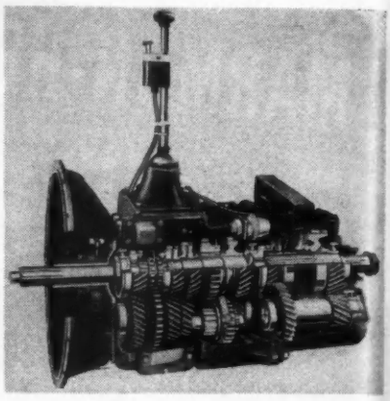
now! all-wheel-drive performance at mass-production prices-

Do you operate trucks where the going is rough and tough—where roads are poor or there are no roads at all? Then Marmon-Herrington **All-Wheel-Drive** Fords are "made to order" for you! Here are trucks with virtually crawler-tractor lugging ability. With front wheels pulling, rear wheels pushing, they transport peak loads—where you want them, when you want them—through deep mud, sand and snow, up steep hills and mountain grades. Tens of thousands now in service on world's toughest trucking projects. Over 70 high-speed, high-performing models to choose from—4-wheel-drive and 6-wheel-drive—gross vehicle weights from 5,300 to 40,000 lbs. Write for descriptive literature and name of nearest Marmon-Herrington **All-Wheel-Drive** dealer.

MARMON-HERRINGTON COMPANY, INC.
1521 West Washington Street • Indianapolis 7, Indiana

the most useful trucks on earth!

Fuller Announces 8-Speed, No Gear-Splitting Transmission



FULLER MFG. CO., Kalamazoo, Mich., has developed a new transmission with eight speeds forward and a "no gear-splitting" feature. The new model, No. R-45, is designed for engines delivering up to 385 lb ft of torque—125-160 hp.

The eight forward speeds are secured by using a 4-speed shifting pattern twice—the first time with the auxiliary section in low gear or low range, and the second time with the auxiliary section in high gear or high range.

One-lever operation is obtained by a synchronized electric-air power shift between ranges, actuated by a button at the shift lever, by which the operator can pre-select the desired range. The synchronized range shift occurs automatically as the shift lever moves through the neutral position.

Advantages claimed for the new unit include: (1) elimination of gear splitting, (2) less rpm loss between shifts, (3) reduced engine lugging, (4) more weight can be carried on payload axle, (5) easier to maintain highway speeds, (6) improved fuel economy, (7) less installation space than a conventional transmission and midship auxiliary and (8) more efficient use of available hp.

Every shift—up or down—is an average 38 per cent step. Every link is the same, in equal, progressive, and selective steps. Every ratio is usable. Not one of the forward speeds overlaps the next higher or lower ratio, and each is at the driver's command without splitting gears.

The weight of the new transmission unit is only 457 lb. Its installation dimensions are only 29 9/16 in.

Gear ratios are as follows:

High Range		Low Range	
Eighth	1.00	Fourth	3.68
Seventh	1.36	Third	4.99
Sixth	1.90	Second	6.98
Fifth	2.66	First	9.78
Reverse	2.99	Reverse	11.01

CLAW Tire Chains are made in all sizes to fit all automobiles, trucks and busses. Singles and duals. All feature the easy-on "finger pressure" Blue Boy fasteners.

COLUMBUS McKINNON

CHAIN CORPORATION

General Offices and Factories: TONAWANDA, NEW YORK

Plants at Angola, N. Y.; Dixon, Ill.; St. Catharines, Ont., Can.; Johannesburg, South Africa

Longer diesel life in toughest lugging service ...with Clevite* 77's

EXTREMELY hard work, day in, day out, is the rule for a fleet of "Terra Cobras" operated by one of the largest heavy-duty earth-moving contractors in Southern California.

These units, equipped with Clevite 77 bearings, drag earth scoops that excavate and haul an average 25-ton load with each run over the area being worked. This results in an engine speed variation, under full load, from a high of 1800 rpm to a lugging speed of 600 rpm.

But in spite of this severe speed variation and unusually rough going in general, Clevite 77's enable the company's diesels to average a hoped for 2-year service life.

As evidenced here, you can always count on the original equipment engineering and quality of Clevite 77's.

Distributed by N. A. P. A. jobbers, they are available nationwide.

Your NAPA Jobber is a Good Man to Know!

Assurance of Quality

*The words Monmouth, Clevite and Micro are registered trade marks of Clevite Corporation.

Monmouth

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ENGINE BEARINGS
CLUTCH PLATES AND PARTS
CHASSIS PARTS

Supplied through Clevite Service, Inc. Made by The Cleveland Graphite Bronze Co.
Units of Clevite Corporation, Cleveland, Ohio.

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TUNE YOUR FLEET FOR
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With Super-Performance

NIEHOFF
IGNITION PARTS

The tough-built ruggedness of Niehoff Super-Performance Ignition Parts is never so vital to cost-minded fleet owners as in the brutal winter season. Tune your fleet before the storms with trouble-*prevention* parts by Niehoff. Precision fit—all major ignition systems.

NIEHOFF PARTS fit every make and model of popular cars, trucks, buses and tractors

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. . . **R. E. Nelson, Jr.,** as a director, Transportation Assn. of America, Chicago.

. . . **Adam Stancik,** as general manager, Public Freight System, Los Angeles, Cal.

. . . **Lloyd M. Lanottee,** as general manager, T. I. M. E., Inc., Freight Lines, Lubbock, Texas.

. . . **J. Colin Robbie, Jr.,** as president, and **W. M. Querry,** as vice president in charge of operations, Lancaster Transportation Co., Lancaster, Pa.

. . . **Earl P. Macdonald,** as vice president and general manager, Cambridge University Storage Warehouse, Cambridge, Mass.

. . . **Ed Bartlow,** as Portland, Ore., branch manager, and **Verne Powels,** as assistant branch manager, Freightliner Corp., Portland, Ore.

. . . **C. E. Sauvain,** sales manager, The Mohawk Rubber Co., Akron, Ohio.

. . . **Kenneth A. Jeffries,** New Haven, Conn., factory branch manager, Trailmobile, Inc., Cincinnati, Ohio.

. . . **Jack Jolly,** assistant to the president, Freightliner Corp., Portland, Ore.

. . . **Joseph C. Knapp,** as assistant to the Pacific Coast regional manager, and **Fred H. Ragen,** as Salt Lake City, Utah, regional wholesale manager, White Motor Co., Cleveland, Ohio.

. . . **William S. Hammel,** as Chicago district sales representative, Axle Division, Eaton Mfg. Co., Cleveland, Ohio.

. . . **Walter F. Brown, Harry R. Mack** and **H. Newman Roberts,** as managers of the north central, central and southern divisions respectively, and **Edwin W. Means** and **Robert R. Walker,** as district managers in Charlotte, N. C., and Philadelphia respectively, United States Rubber Co., New York City.

(TURN TO PAGE 306, PLEASE)

a director,
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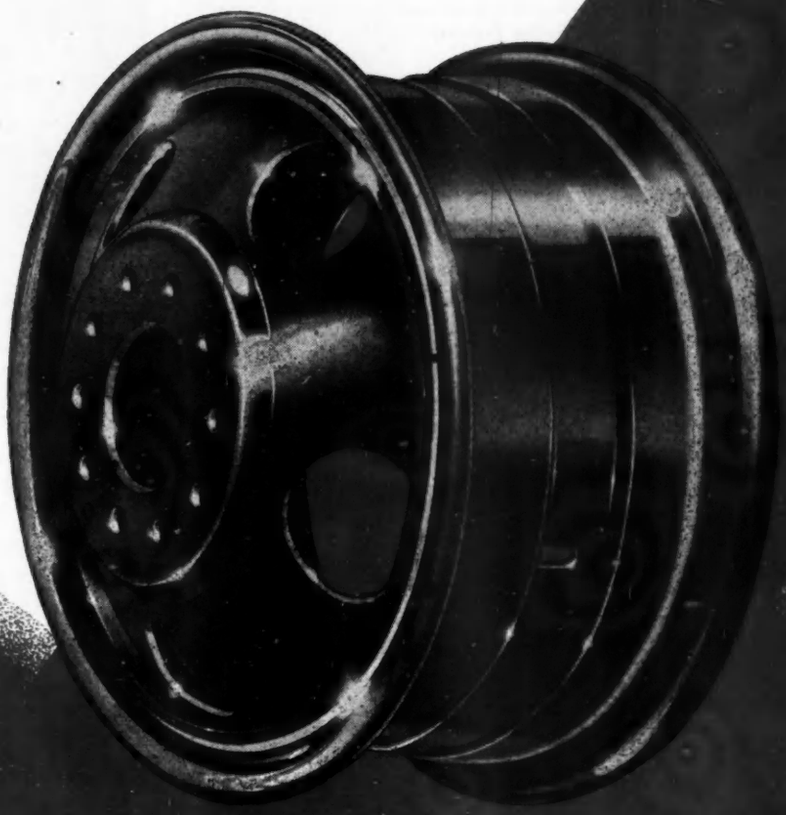
PLEASE)

November, 1953

KELSEY-HAYES



The Kelsey-Hayes 3-piece Truck Wheel

MAKERS OF QUALITY PARTS FOR
THE AUTOMOTIVE INDUSTRY FOR FORTY-FIVE YEARS

Wheels, Brakes, Hubs and Drums . . . also Parts for Farm Implements and Aircraft

KELSEY-HAYES WHEEL COMPANY

DETROIT 32, MICHIGAN

PLANTS IN DETROIT AND JACKSON, MICHIGAN; McKEESPORT, PA.;
LOS ANGELES, CALIF.; DAVENPORT, IOWA; WINDSOR, ONTARIO, CANADA

KH

Introducing . . .

Continued from Page 304

. . . **E. H. Eaton,** as operating manager, Trade Sales Dept., The Firestone Tire and Rubber Co., Akron, Ohio.

. . . **John A. Kyle,** as eastern sales representative, Refrigerated Body Division, The Schnabel Co., Pittsburgh, Pa.

. . . **E. H. Watkins,** as Albany, N. Y., district manager, and **A. E. Lorenzen** and **Hugh Hanks,** as assistant managers in Sioux Falls, S. D., and Lincoln, Neb., respectively, motor truck division, International Harvester Co., Chicago.

. . . **J. A. Cortright,** as vice president in charge of sales, Clayton Mfg. Co., El Monte, Cal.

. . . **Robert Rose,** as New England-New York division manager, R. M. Hollingshead Corp., Camden, N. J.

. . . **L. E. Hall,** as general superintendent, Nashville Transit Co., Nashville, Tenn.

. . . **A. M. Booth,** as general sales manager, Spencer Mfg. Co., Spencer, Ohio.

. . . **Roger O. Bay,** vice president, Bonney Forge and Tools Works, Allentown, Pa.

. . . **Joseph F. Hays,** Northern Division operations director, Associated Transport, New York City.

. . . **H. David Collins,** Portland, Ore., branch manager, White Motor Co., Cleveland, Ohio.

. . . **Dudley A. Bragdon,** as manager aftermarket sales and service, Carter Carburetor Co., St. Louis, Mo.

. . . **John J. Walsh,** as advertising manager, Dayton Rubber Co., Dayton, Ohio.

. . . **Ted Baker,** senior vice president, Spector Motor Service, Inc., as president, Central Motor Freight Assn., Chicago.

. . . **Walter D. Kleine, Jr.,** as San Antonio, Texas, district representative, Auto-Lite Battery Corp., Toledo, Ohio.

. . . **H. Scott Byerly,** as assistant to the general manager, American Trucking Assns., Washington, D. C.

. . . **Henry C. Newman,** as statistical analyst, American Trucking Assns., Washington, D. C.

. . . **Paul W. Rice,** as factory branch manager at Greensboro, N. C., Fruehauf Trailer Co., Detroit.

. . . **Arthur B. Cascone,** as Newark, N. J., branch manager, Highway Trailer Co., Edgerton, Wis.

. . . **Robert R. Sheffer,** as regional sales manager, The Galion Allsteel Body Co., Galion, Ohio.

. . . **F. Dean Lowell,** as sales manager, **Edward H. Calkins,** as service manager, and **Henry F. Feldman,** as field service engineer, Rochester Products, Division of General Motors, Rochester, N. Y.

. . . **Robert L. Sommerville,** as general manager, and **William C. Leingang,** as assistant general manager, automotive products Division, The Electric Storage Battery Co., Philadelphia.

KEEPS TIRES AIRTIGHT AT HIGH TEMPERATURES

HI-TEMP *Heat-Resisting* **VALVE INSIDES AND CAPS BY DILL**

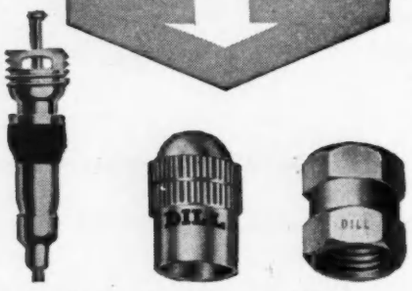
PREVENTS COSTLY ROAD DELAYS . . . CUTS TIRE WEAR AND EXPENSE . . .

Do you have tire pressure maintenance troubles caused by excessive tire heat? Equipping your tire valves with Dill HI-TEMPS will end this difficulty.

Under abnormal hot tire temperatures, even up to 300° F. and more, the heat-resisting air seals of Dill HI-TEMP valve insides and caps maintain airtight security, without sticking.

Tire engineers and fleet owners, everywhere, acclaim this modern Dill development. Dill HI-TEMPS will prevent costly road delays for you, cut tire wear and mileage expense. Buy this money-saving equipment from your wholesaler, tire or oil company, today.

THE DILL MANUFACTURING COMPANY
700 East 82nd Street
CLEVELAND 3, OHIO



No. 100-AH Valve inside with special heat-resisting rubber seal in cup and on barrel.

No. 632 Dome-type valve cap with swivel gasket of special heat-resisting rubber.

No. 631 Hexagon-type valve cap with lead gasket mounted over brass sleeve.

ORDER from your Wholesaler, tire or oil company.

DILL
TIRE VALVE EQUIPMENT
Standard of the Tire Industry

seph F.
Northern Di-
operations di-
Associated
port, New
City.

as manager
, Carter Car-

ertising man-
yton, Ohio.

ce president,
as president,
, Chicago.

as San An-
ntative, Auto-
Ohio.

sistant to the
n Trucking

as statistical
Assns., Wash-

branch man-
C., Fruehauf

as Newark,
hway Trailer

regional sales
el Body Co.,

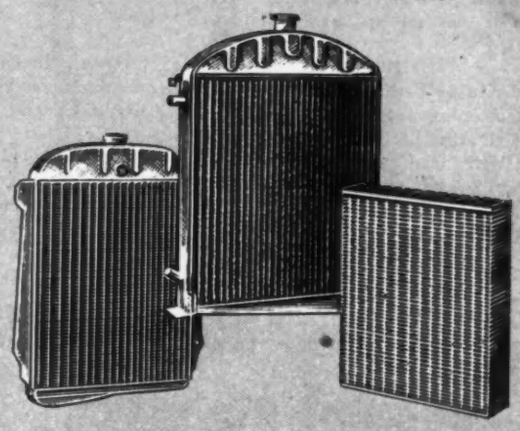
les manager,
vice manager,
s field service
s, Division of
N. Y.

e, as general
Leingang, as
, automotive
ctric Storage

vember, 1953

GASKETS
PASSENGER CARS—TRUCKS

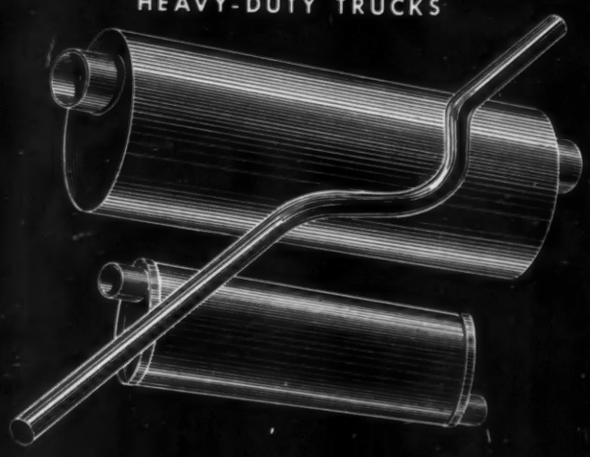
RADIATORS-CORES
PASSENGER CARS—TRUCKS



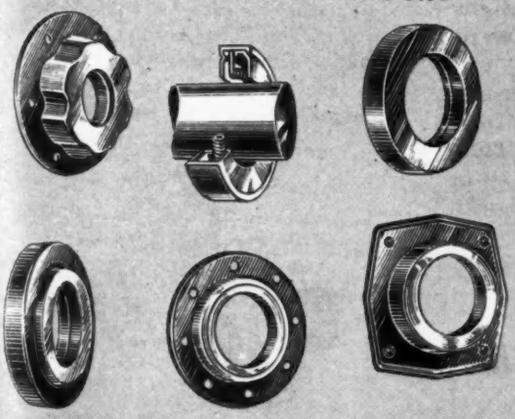
McCORD PRODUCTS

DESIGNED and ENGINEERED
to SERVE BETTER
and LAST LONGER

MUFFLERS-PIPES
PASSENGER CARS—TRUCKS
HEAVY-DUTY TRUCKS



OIL SEALS
PASSENGER CARS—TRUCKS



McCORD INDIVIDUAL ENGINEERING SAFEGUARDS YOUR LABOR AND INSURES SATISFIED CUSTOMERS

"You Can Depend on McCord Products, Most Servicemen Do," is more than a slogan. It is assurance that any product bearing the McCord name will deliver equal or better service than the part replaced. That's why McCord gaskets, oil seals, mufflers, pipes, radiators and cores are preferred and specified by mechanics throughout the world.

McCORD CORPORATION
Detroit 11, Michigan

Factory Notes

Rockwell Spring and Axle Co., recently formed by merger of **Timken-Detroit Axle Co.** and **Standard Steel Spring Co.,** has set up headquarters at Coraopolis, Pa.

United States Rubber Co., New York City, will open, after the first of the year, a new distributing branch office and warehouse at 909 Haines St., Jacksonville, Fla.

Trailmobile, Inc., Cincinnati, Ohio, has opened a new factory branch in New Haven, Conn.

Tranter Mfg., Inc., Lansing, Mich., is the new name of Kold-Hold Mfg. Co. Company will operate four divisions—Kold-Hold, Platecoil, Contract and Defense.

Dura Plastics, Inc., New York City, announces establishment of a Stock Sheet Division.

Reo Motors, Inc., Lansing, Mich., announces that green-tinted Solex glass is available as optional equipment in all truck cabs.

Fuller Mfg. Co., Kalamazoo, Mich., has acquired control of **Shuler Axle Co.,** Louisville, Ky. Shuler will continue operation as a subsidiary of Fuller.

Twin Coach Co., Kent, Ohio, has been awarded a U. S. Army Ordnance contract to produce 36-passenger, convertible buses. For the U. S. Air Force, the buses can be converted to freight carriers by removing the seats which fit into socket receptacles or converted to ambulance use by installing litter carriers.

General Motors Corp., Detroit, has opened the first of 35 service training centers to be set up across the country within the next year. The first unit, in Detroit, has 45,000 sq ft of floor space and eight shop classrooms. The school will handle 500 mechanics at one time, with about 5000 expected the first year. **GMC Truck and Coach** dealer mechanics are included as well as those from GMC's five car divisions. Construction has been started on similar units at Parma, Ohio; Dedham, Mass.; and Union, N. J.

American Fidelity and Casualty Co., Richmond, Va., announces that the accident rate for commercial vehicles insured by the company during the first six months of this year is less than one per 100,000 miles.

Jacobson Mfg. Co., Inc., Kenilworth, N. J., has announced purchase of **Nut Mfg. Division, Eagle Lock Co.,** Terryville, Conn.

Willys Motors, Inc., Toledo, Ohio, has signed a contract with **Nederlandsche Kaiser-Frazer Fabrieken N.V.,** Rotterdam, Holland, to provide for assembly of both Willys cars and commercial vehicles at Rotterdam.

Babaco Alarm Systems, Inc., New York City, will handle its public relations and advertising through Robert D. Eckhouse, former director of public relations and advertising for the company who has organized his own public relations and advertising consulting firm.

Trailmobile, Inc., Cincinnati, Ohio, has announced construction of its new $350,000 division headquarters in Omaha, Neb.

"It dang well should look familiar!"

the "BIG JOBS" depend on

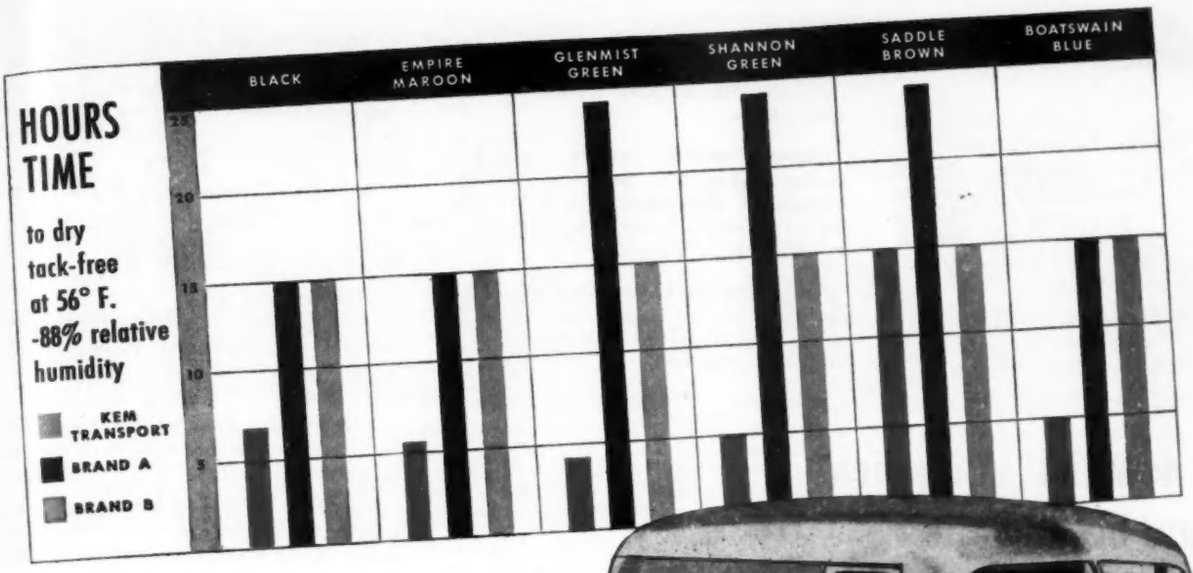
Gabriel HEAVY DUTY SHOCK ABSORBERS

A GABRIEL PRODUCT

Gabriel Heavy Duty Shock Absorbers are a result of yesterday's actual operating experiences plus today's advanced engineering designs. Thus, fleet operators know that Gabriels can reduce many of their operating headaches — cargo safety . . . drivers' fatigue . . . maintenance costs . . . keeping schedules. Take a lesson from these tests and insist on Gabriel Heavy Duty Shock Absorbers as original equipment — or when replacing present worn-out shocks. Gabriels ride better — and last longer!

THE Gabriel COMPANY

1148 EUCLID AVENUE CLEVELAND 15, OHIO



PROOF...

that KEM® TRANSPORT ENAMELS dry FASTER under abnormal climatic conditions!

Here's proof that KEM Transport Enamels cut delays caused by slow drying . . . help make faster refinishing possible even under adverse drying conditions!

Look at the chart shown here. It's a comparison of drying tests between six popular KEM Transport Enamel colors and those of two other major brands. Note that KEM Transport Enamels dry *up to six times faster!*

KEM Transport Enamels are tough to withstand wear and weathering, too. They're formulated to stand up under extremes of cold, moisture, sleet, snow and burning sun.

Find out what these fast-drying, long-lasting finishes can mean to you. Call your Sherwin-Williams "OK" Automotive Jobber, or write for name of nearest distributor. The Sherwin-Williams Co., Automotive Division, Cleveland 1, Ohio. (Export Sales Division, Newark, N. J.)

APPROVED for leading NATIONAL FLEETS

Sherwin-Williams KEM Transport Enamels are approved and recommended finishes for the fleet equipment of many leading national fleet operators such as The Coca-Cola Company, Dad's Root Beer, Allied Van Lines, Inc., Orange Crush Company, Gray Line Sight-Seeing Tours, City Products Company and many others.

GET IT FROM YOUR JOBBER

COVER THE EARTH

Sherwin-Williams OPEX KEM Automotive FINISHES

SHERWIN-WILLIAMS

AUTOMOTIVE FINISHES

Fleet Flashes

Spector Motor Service, Inc., Chicago, and **Pacific Intermountain Express**, Oakland, Cal., have put into effect through trailer service to and from points on the West Coast served by PIE and points on the East coast served by Spector. Single billing and a tight relay service are included in the plans.

Akers Motor Lines, Gastonia, N. C., has formally opened its new air conditioned terminal in Albany, Ga.

Johnson Motor Lines, Inc., Charlotte, N. C., recently began operations from its 19th terminal located at Lawrence, Mass.

Gross Common Carrier, Inc., Wisconsin Rapids, Wis., has opened a new terminal in Milwaukee, Wis. Feature of the new facility is a separate, straight-through service shop.

Great Southern Trucking Co., Jacksonville, Fla., has begun construction of a new terminal in Birmingham, Ala., costing about $100,000.

Inland Freight Lines, Salt Lake City, Utah, and **Peninsula Motor Express**, San Francisco, Cal., have announced through trailer service from Peninsula's West coast points to and from Inland's eastern and Texas points.

Hartford Transportation Co., Newington, Conn., announces completion of a new terminal in Newark, N. J., just off the New Jersey Turnpike.

Mid-States Freight Lines, Inc., Chicago, and **Interstate Motor Lines**, Salt Lake City, Utah, have set up through trailer service to and from the East and West coasts.

Kilgo Motor Freight, Inc., Charlotte, N. C., announces opening a new terminal in Darlington, S. C.

Orscheln Bros. Truck Lines has purchased the former St. Louis, Mo., terminal of **Be-Mac Transportation Co., Inc.**, who vacated it to move into its own new St. Louis terminal. Orscheln's former St. Louis terminal has been leased to **Motor Freight Corp.**, Terre Haute, Ind.

Dan Dugan Oil Transport Co., Sioux Falls, S. D., is building a new gasoline terminal at Mandan, N. D. Plans include a complete shop and parts storage facilities.

Atlanta-New Orleans Motor Freight Co., Atlanta, Ga., has dedicated its new terminal in Montgomery, Ala.

Transamerican Freight Lines, Inc., Detroit, held a reception for more than 500 guests at the opening of its new terminal in Cincinnati, Ohio.

Commercial Motor Freight, Inc., Columbus, Ohio, opened its 20th major terminal, costing about $200,000, in Fort Wayne, Ind.

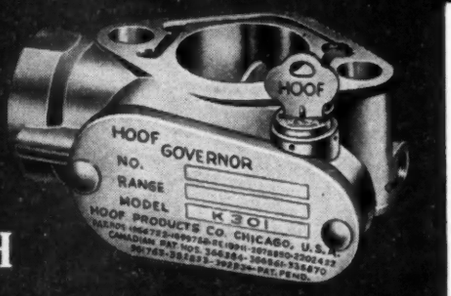
Utility Body

A newly organized company, Utility Body Co., Oakland, Cal., is now producing service bodies for public utilities and other industries. A series of bodies for ½, ¾ and 1-ton truck chassis are in the works. One of the bodies, illustrated above, the Model No. S-48 features a full 48-in. bed width. It is available with optional sliding cover and endgate enclosure for completely enclosing the work area. Flush, pull-out type door handles with slam-action catches and master-keyed cylinder locks are used throughout. The body has an anti-buckling, heavy-duty corrugated steel floor with drainage outlets. Top panels are ribbed for added strength. Buyer has a choice of side-angle or overhead type ladder rack as standard equipment, but, if neither is required, cost is deductible. It has a body length of 90 in.

...now that equipment *must* be made to last longer...

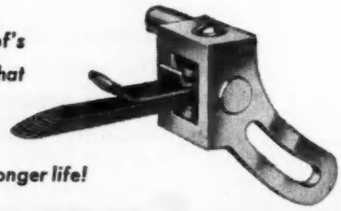
***install* HOOF GOVERNORS**

on your fleet, and watch your vehicle life S-T-R-E-T-C-H



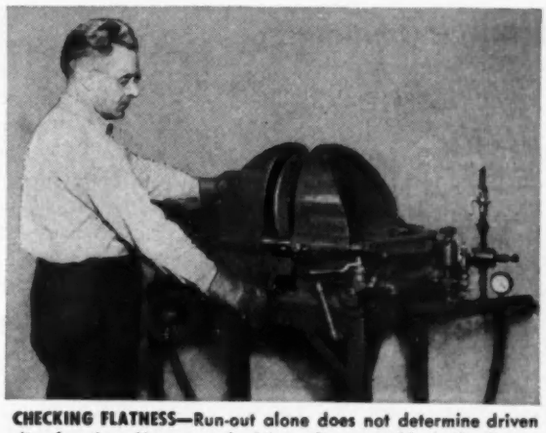
Hoof Governors *make sure* that your vehicles are driven at the speed *you* want—they prevent excessive engine racing in intermediate gears, reduce operation costs and substantially increase the interval between overhauls! Now, more than ever, the economies of Hoof operation warrant your full attention. Write us for *facts!*

★ *No other Governor has Hoof's patented Cantilever Spring that means more accurate speed control, simplified construction and longer life!*



HOOF PRODUCTS CO. 6543 So. Laramie Ave., Chicago 38, Ill.

CHECKING RUN-OUT—Each driven disc assembly is rotated between centers on a splined arbor and checked with micro-instruments to insure actual running conditions within practical operating tolerances. All disc assemblies showing excess run-out tolerances are corrected to insure true parallelism between pressure plate and flywheel surfaces.



CHECKING FLATNESS—Run-out alone does not determine driven disc function. Hence, each driven disc assembly is finally rotated between two master surface plates whose surfaces are in true parallelism. The distance between these two plates is equivalent to the minimum plate separation within which the disc operates in actual service.

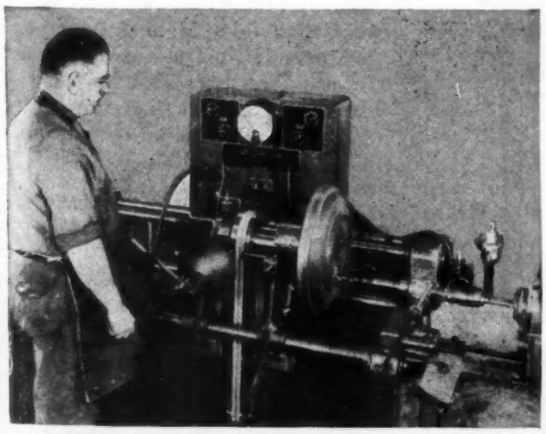
Because They're Made Right!

Lipe, too, could flood the market with low-cost clutch spare parts. All we'd have to do is switch to inferior grade metals—hire less-skilled help—soften our rigid specifications—ease up on the tight quality controls you see here.

The result would be cheaper spare parts—but they'd cost *you* more in the long run!

Lipe *doesn't* compromise on quality and workmanship because we *know* what poorly made parts can do to your vehicle. By upsetting the inbuilt balance of your Lipe Clutch they cause excessive vibration. And vibration generates wear and tear on vital gears, drive shaft, axles, universals and bearings.

You decide. Are costly repairs and deadlined vehicles worth the slightly lower price you pay for unreliable spare parts? Next time, specify *genuine* Lipe Clutch Parts.



BALANCING THE CLUTCH—Today's newer and faster engines demand balanced parts. And precision Lipe equipment assures this balance. All clutch assemblies, new and reconditioned, are subjected to static and dynamic balancing on special machines designed by Lipe-Rollway. Smooth "vibration-free" operation is insured by the close tolerance limitations of this procedure.

FINAL INSPECTION—All clutches pass through these final-inspection fixtures for checking plate separation and parallelism. Designed and built by Lipe-Rollway, they duplicate actual installation conditions. A record is made by serial number of the controlling dimensions of each assembly and thereafter becomes a part of our permanent service record.

LIPE ROLLWAY

Lipe-ROLLWAY CORPORATION

Manufacturers of Automotive Clutches and Machine Tools

Syracuse 1, N. Y.

November Roundup

Continued from Page 66

Muffler Noise

Pennsylvania Motor Truck Assn., at its recent Fall Meeting, went on record in a formal resolution as: (1) calling on manufacturers to equip trucks with mufflers designed to give a maximum quietness of operation consistent with engine efficiency, (2) requesting PMTA members and other truck users in the state to install and maintain adequate mufflers, and (3) urging that all truck drivers operate vehicles in such a manner as to make the least noise possible. PMTA's Equipment and Maintenance Conference was directed to study the noise problem and report at the association's next annual meeting.

White House Meeting

White House Conference on Highway Safety will be held in Washington, D. C., Feb. 17-19. Organized last July by President Eisenhower, the conference aims to arouse public organization and action to reduce traffic accidents. Preliminary work is being handled by the U. S. Bureau of Public Roads.

National Agreements

In last month's issue of *International Teamster*, union magazine, carries a letter from Dave Beck, union president, saying that the union will from now on negotiate its agreements with employers on a national scale rather than on a local or regional basis.

Lift Truck Leasing

Under a new program established by Yale and Towne Mfg. Co., installment buying or leasing of industrial fork lift trucks is being made available. The plan provides for payments over periods up to 36 months.

Truck Leasing

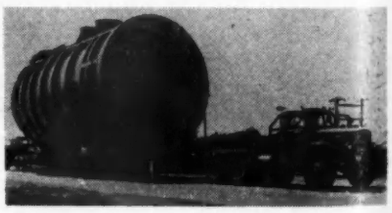
Elected officers at the recent 8th Annual Meeting of National Truck Leasing System were: Howard Willett, Jr., president; R. D. Sidel, vice president; J. A. Ryder, secretary; and John Black, Jr., treasurer.

New York City Ban

New York City's regulation limiting the length of vehicles in marketing areas of the city to 33 ft has been upheld by the courts. The court held the regulation to be a lawful exercise of police power, not a violation of rights without due process of law, and said that use of streets is a privilege and denial of such use is not unconstitutional.

(TURN TO PAGE 316, PLEASE)

Jet Engine Tester



Allison engines for jet aircraft will be tested in this huge 117-ton, 48½ ft long test cell. The first of several such units built for Allison by Engineering Metal Products Corp., Indianapolis, Ind., the jet test cell is shown in transit from Engineering Metal Products to the Allison plant. Equipment Rentals Corp., Indianapolis, accomplished the tricky hauling job using two Mack 6-wheel tractors and a pair of heavy duty low-bed trailers.

AGAIN- National GARAGE TOOLS LEADS THE FIELD

Now National GARAGE TOOLS offers a Complete Line of QUALITY PULLERS at Prices You Can Afford!

HIGHEST QUALITY — complies with government specifications.

INTERCHANGEABLE — with National pullers and other pullers on the market.

ATTACHMENTS — a complete range of interchangeable attachments for wide range of work available.

TOUGH TOOLS FOR TOUGH JOBS

NATIONAL MACHINE AND TOOL CO., INC. JACKSON, MICHIGAN U.S.A.

RED-I-TRIM Trim Cement

When you use RED-I-TRIM Cement by CARBORUNDUM on any surface, it really sticks. This heavy, clear cement adheres strongly to fabric, wood, metal, in fact, on any job encountered in the trim shop.

Because it does not stain or bleed through fabric, RED-I-TRIM Cement does a cleaner, more professional job on upholstery repairs.

Because it is weather-proof and heat resistant, it does a remarkable job of repairing surface tears in convertible tops. You will find dozens of extra uses for it, too, right in your own shop.

RED-I-TRIM Cement dries fast on any surface, but retains its adhesive tack for several hours.

THREE CONVENIENT SIZES—5-oz. tubes, pint cans and quart cans. Display a dozen 5-oz. tubes on your counter... make *extra* profits on sales to your customers. You get an eye-catching display box with each dozen tubes.

CALL YOUR CARBORUNDUM JOBBER...

or write to The Carborundum Company, Dept. CC 90-321, Niagara Falls, New York.

Stock the complete Red-I-Brand line by

CARBORUNDUM

REGISTERED TRADE MARK

...for *high-profit* work with *low-inventory* investment

All brand names in the Red-I-Brand line are trade marks of The Carborundum Company, Niagara Falls, New York

90-3 1

November Roundup

Continued from Page 314

Movers' Chairman

Russell E. Garrett, field manager for John F. Ivory Co., Detroit, has been elected chairman of ATA's Movers Conference of America. He replaces J. Wallace Fager, executive vice president, United Van Lines, Inc., St. Louis, Mo., who served for eight years.

1953 Domestic Truck Factory Sales by G.V.W.*

	5,000 lb. and less	5,001-10,000	10,001-14,000	14,001-16,000	16,001-19,500	19,501-26,000	Over 26,000	Total
January	47,234	19,101	3,669	12,622	3,344	6,271	3,638	97,879
February	40,616	16,600	3,067	11,068	3,409	7,261	3,811	86,212
March	55,910	22,798	5,588	19,354	4,776	9,067	4,550	122,043
April	51,743	23,352	5,078	17,700	4,287	8,200	4,427	114,787
May	39,635	14,428	2,729	10,788	3,982	7,481	3,390	82,433
June	31,516	10,148	1,575	7,700	3,567	7,687	3,870	66,063
July	45,857	16,564	3,437	12,956	3,442	7,051	3,481	92,788
August	43,833	16,489	3,397	12,385	3,370	6,356	4,081	89,911
Eight Months, 1953	356,344	139,480	28,560	104,573	30,177	61,734	31,248	752,116
Eight Months, 1952	245,150	124,343	32,054	110,784	24,003	62,878	29,562	628,754

* Automobile Manufacturers Association.

1953 Truck Trailer Shipments*

	August	Eight Months
Vans		
Insulated and Refrigerated		
Steel	99	653
Aluminum	278	2,247
Furniture		
Steel	95	996
Aluminum	11	
All other closed-top vans		
Steel	1,099	7,814
Aluminum	937	7,776
Open-top		
Steel	126	1,203
Aluminum	123	1,473
Total—Vans	2,688	22,162
Tanks		
Petroleum	291	2,613
Food	38	250
L. P. G.	10	87
All other	36	257
Total—Tanks	375	3,207
Pole, Pipe amd Logging		
Single Axle	59	414
Tandem Axle	80	803
Total	139	1,217
Platforms		
Racks, livestock and stake	114	3,786
Grain bodies	52	684
Flats, all types	723	6,604
Total—Platform	889	11,074
Low-bed haulers	738	3,386
Dump trailers	77	719
All other trailers	4,582	19,966
Total—Complete Trailers	9,468	61,731
Converter dollies	48	1,027
Chassis only	205	2,363
Total—Trailers and Chassis	9,741	65,121

* Industry Division, Bureau of the Census.

Chains do more than Prevent Accidents — They *Protect Profits and Investments too.*

Good tire chains do more than reduce skidding and permit safe stops, on slippery pavements. They do more than save lives, trucks and loads. They do more than provide traction thru heavy snow drifts.

GOOD Tire Chains help you deliver on schedule. These keep your drivers on the road, your truck rolling and the profits coming in.

Every winter there are days when chains pay out their cost with extra dividends. Be prepared for those days with WESCO TIRE CHAINS in every vehicle. It's just sound preventive maintenance and good profit insurance.

Write for Catalog Sheets showing and describing WESCO TIRE CHAINS and the name of your local WESCO Distributor.

WESTERN CHAIN COMPANY
1801 BELMONT AVENUE · CHICAGO 13, ILLINOIS

Management Course

American Trucking Assns. and Michigan State College have cooperated in establishing a five-day Motor Carrier Management Training Program to be held Dec. 7-12 at Michigan State College, East Lansing, Mich. The course has been approved by ATA's National Committee on Education. Enrollment is limited to 75 applicants.

Community Relations

General Motors Corp. has produced a new booklet entitled "GM Lives Here." Its aim is to provide information on how GM branches can become a successful and understood part of their own local community. Fleet operators will find many ideas in the publication that could be used with success in their community relations programs.

(TURN TO PAGE 318, PLEASE)

Sure Steps to PROTECTION!

This typical fire caused serious damage to the truck and cargo.

BUFFALO
better-built

DRY CHEMICAL FIRE EXTINGUISHER

You can help prevent disastrous fires like this by seeing that your vehicles are equipped with new Buffalo Stainless Steel Dry Chemical Extinguishers. Quick and easy to operate, a heat insulating, flame-killing chemical cloud-like stream shoots up to 20 feet, snuffing out flammable liquid and electrical fires. Buffalo Dry Chemical powder produces 1100 times its volume in non-toxic, flame-killing gas on contact. Stainless steel construction is durable, light weight and attractive. Buffalo Dry Chemical Extinguishers are available with durable bus and truck mounting brackets in 10, 20 and 30 pound models.

Buffalo manufactures a complete line of fire extinguishers for positive protection from every fire hazard. Order Buffalo fire protection today! Consult your Classified Telephone Directory or write for the name of your nearest Buffalo jobber.

UNDERWRITERS' LABORATORIES APPROVED

BUFFALO FIRE APPLIANCE CORP.

ESTABLISHED IN 1895

DAYTON 1, OHIO

November Roundup

Continued from Page 316

Conn. Safety Patrol

A cooperative highway safety patrol has been organized by the Motor Transport Assn. of Connecticut to observe truck drivers on the state's highways. The plan is patterned after Pennsylvania Motor Truck Assn.'s growing organization reviewed on page 64 of the June issue of COMMERCIAL CAR JOURNAL.

Weight-Distance Tax

Voicing an opinion that trucks do not pay their fair share of highway use taxes, the American Automobile Assn. passed a resolution at its recent annual meeting seeking weight-distances taxes on trucks. Said the resolution, in part, "The American Automobile Assn. believes that a third form of tax is necessary for the equitable taxation of the heavier commercial vehicles. . . . The recommended third form of tax for these heavier commercial vehicles should include proper consideration of the factors of weight and distance traveled and give consideration to the costs of administration and collection."

Small Business Funds

The new Small Business Administration, replacing the old Reconstruction Finance Corp., has indicated that its primary goal will be to help businessmen find private sources for their loans rather than lending federal funds.

Not on Barges

Trailers may be headed for a ride on flatcars, but, for the present they can not ride on barges. Interstate Commerce Commission last week denied an application by Commercial Barge Lines, Inc., Detroit, to operate a general water freight service along the Mississippi River and the Gulf Intercoastal Waterway.

The Detroit firm applied nearly three years ago for authority to haul general commodity cargoes by barge and to set up a combination truck-barge service in which loaded truck-trailers would be moved by water.

It proposed to offer a pick-up and delivery service using either its own vehicles or those of motor carriers.

Commercial Barge Lines now transports new cars and trucks between points along the inland waterway.

(TURN TO PAGE 320, PLEASE)

PEAK PERFORMANCE is built into each Century Carburetor by the design and synchronizing of its gas metering valve and its butterfly air valve. Century pre-engineers the performance curve of each carburetor and thus assures a perfect mixture for starting . . . for idling . . . for power and speed. Only one "tune up" adjustment is required; it starts immediately upon installation. That's why Century's "years ahead" carburetion is being factory installed by more and more tractor, truck and engine manufacturers. *Get the facts; write today for Bulletin No. 153.*

Century Gas Equipment Co. • 11188 Long Beach Blvd., Lynwood, Calif.

Oldest Manufacturers of LP-Gas Carburetion

CENTURY UL SET IT! SEAL IT! FORGET IT!

LP-GAS CARBURETION

Don't Pack 'Em—Hang 'Em

Garments, made in New York, are loaded on trailer bars and on special drops which keep them snugly in place throughout their coast-to-coast journey. Patented springs at the end of the bars keep the bars level, preventing the garments from being bounced off. Gilbert Carrier Corporation's method of transporting clothing on hangers in truck trailer saves packing and unpacking time. Gilbert's diesel-powered COE International trucks make the New York-Los Angeles run in 84 hr, deliver clothing ready for display on the selling floor.

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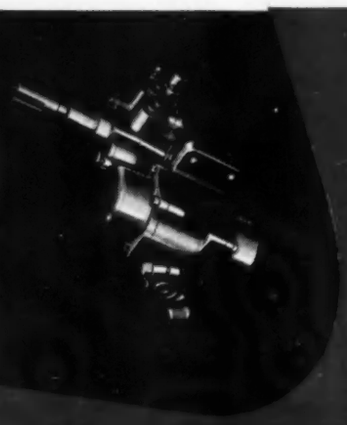
POWER STEERING IS



FULL TIME

Due to exclusive proportional valving, "HYDRAGUIDE" operates full time—no "transition feel" . . . Plenty of road feel.

SAFE

"HYDRAGUIDE" makes driver control easy when you hit holes, soft shoulders, or have a blowout or flat.

FATIGUE-REDUCING

"HYDRAGUIDE" takes steering fatigue out of driving. Drivers stay fresh longer, accomplish more in a day, drive more safely, have fewer accidents.

BUILT BY
GEMMER
MAKERS OF THE FINEST
IN STEERING

Gemmer Manufacturing Co., Detroit 11, Mich., pioneered easy manual steering 4 decades ago—pioneered "HYDRAGUIDE," Full Time power steering for automobiles in 1950.

6580 INTEGRAL AND LINKAGE TYPES

November Roundup

Continued from Page 318

New Vehicle Paint

Reichold Chemical Co. has announced a water-soluble resin base for paints that after baking cannot be washed off. It is expected to aid such paint shop problems as flash fires, fire prevention and solvent-recovery systems.

Truck Paintings

In its November issue, *Fortune* magazine is presenting a portfolio of truck paintings in scale and color.

Colombian Highways

The International Bank for Reconstruction and Development has made a loan of $14,350,000 to the Republic of Colombia, to help carry forward improvements in the national highway system which were begun in 1951. The loan will also support a long-range, comprehensive road maintenance program being undertaken for the first time in Colombia.

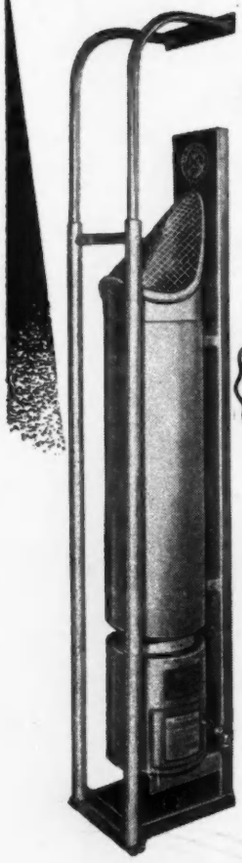
Since 1945, there has been a sharp increase in all kinds of traffic on Colombia's roads, the Bank pointed out. The registration of trucks has almost tripled; the registration of buses and automobiles has doubled. Trucks, of which there were nearly 28,000 in 1951, account for two-fifths of all motor vehicle registration, and for two-thirds of all road traffic; and their number is increasing by about 15 per cent a year.

Boyce Motor Lines, Inc.

JERSEY CITY • PHILADELPHIA
EASTON • ELMIRA
ROCHESTER • SYRACUSE
BUFFALO • CANANDAIGUA

MAIN OFFICE
PHONE • CANANDAIGUA 940
CANANDAIGUA, NEW YORK

Reply to Canandaigua



'you can rest assured that I will recommend Cargo-Guard'

CARGO-GUARD HEATER

SAFE LOW-COST
AUTOMATIC
LP-GAS TRUCK HEATER

Maintenance Superintendent of big New York truck line says: "The Cargo-Guard Heaters which we have installed into our units have been very successful with us in protecting commodities given us by shippers to be kept above freezing. The maintenance of a Cargo-Guard Heater has been very small with the exception of a regular preventive maintenance and inspection which I have inaugurated with our fleet. . . . Should our operation demand some more heating equipment, you can rest assured that I will recommend the Cargo-Guard Heater."

HARRY A. ZEUNER—*Maintenance Supt.*

Phone or wire for full information. Or clip handy coupon.

In the longest trailer . . . in the biggest box . . . in the coldest weather, Cargo-Guard keeps a constant, even protective heat flowing to the farthest corner of the cargo area. Simple! Practical! Effective!

Cargo-Guard Meets All ICC Requirements

CARGO-GUARD Company
Thompson's Point Portland 2, Maine

Please send me the facts about the Cargo-Guard LP-Gas Truck Heater in time for winter cargo protection.

Name _____
Company _____
Street _____
City _____ Zone ____ State _____

Diesel Filter

Fram Corp., Providence, R. I., is now producing a water separator and fuel filter unit designed to remove 100 per cent of the water from diesel and other fuels. In addition, the unit includes filtering to remove dirt, rust and scale. Advantage claimed is considerable reduction in injector maintenance cost. The unit consists of two parts; a Model No. FC1132-PL coalescer-filter that measures 7⅞ in. high by 4⅛ in. in diameter, and a Model No. FS1132-PL separator-filter that measures 12½ in. high by 4⅛ in. in diameter. It is designed for diesel engines 225 hp and under.

(TURN TO PAGE 352, PLEASE)

Two-Man, Line Body

New, two-man, line body announced by York-Hoover Corp., York, Pa., is a versatile utility body. Standard equipment includes a safety tread steel floor, side cabinets with bins and material drawers, through type box, compartment for two-gal water cask, tunnels for carrying derrick legs and digging bars, key locks on exterior cabinet doors, telescoping sliding roof, material rail at each side of body interior, equipped for use with extended winch shaft, two safety steps with grab handles at rear, skid brackets on rear cross member, full width rear fenders and plexiglass window in front of body. Twenty-eight items of optional equipment are available. Optional equipment for adapting the basic unit to pole setting has been grouped into "Kit W", while equipment contained in "Kit W" and in "Kit D" will adapt basic body for both pole setting and pole hole digging, as illustrated above.

be sure at the START

by specifying a GLOBE-UNION CUSTOM-BUILT battery

Globe-Union batteries are creatively engineered for original equipment manufacturers. (As well as numerous private brands.) They are also produced for mass merchandising under the name GLOBE "Spinning Power".

For low freight costs and fast service, there's a Globe-Union factory located near your major markets (see below). And, to provide better service to the great Southwest, we've added a new plant at Houston, Tex.

GLOBE-UNION INC.

MILWAUKEE 1, WISCONSIN

GLOBE-BUILT — IT'S RIGHT FROM THE START!

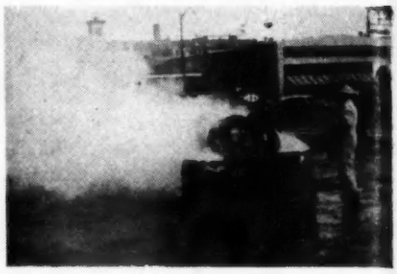
Battery plants at: MILWAUKEE, WIS. • ATLANTA, GA. • BOSTON, MASS. • CINCINNATI, OHIO • DALLAS, TEXAS • HOUSTON, TEXAS • EMPORIA, KANSAS • HASTINGS-ON-HUDSON, N. Y. • LOS ANGELES, CALIF. • MEMPHIS, TENN. • MINERAL RIDGE, OHIO • OREGON CITY, ORE. • PHILADELPHIA, PA. • REIDSVILLE, N. C.

Loaded Stream "Karbaloy" Puts Out Tire Fires

KARBALOY, a chemical used in loaded- stream,pressurized-type fire extinguishers, has shown itself to be effective against tire fires.

Big problem in the control of tire fires is the high heat generated by the flexing of the tire, and the need for large quantities of water required to cool the tire off enough to prevent it from re-igniting.

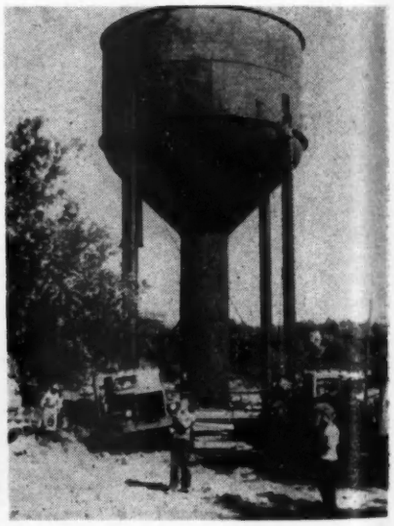
At a test fire recently, six rubber tires were loaded on three 6-in. planks over the top of a large tank. In the tank was a quantity of water over which was spread oil. When the blaze was ignited within the tank, the blaze quickly enveloped the three 6-in. planks and then started its fury on the six rubber tires. Six quarts of Karbaloy were used to stop the oil fire in the tank, the flames on the three wood planks and on the six tires. The entire job was completed in 30 sec.



Re-ignition of the fire is brought under control because of the "fireproofing" quality of the chemical. After extinguishing the blaze, it is designed to seep into the pores of the tire and prevent another outbreak of the fire.

Other advantages of the chemical include: (1) it does not freeze and (2) because of the pressurized feature, can be discharged at the fire from a safe distance of 45 to 60 ft.

Through a Cornfield



Watson Bros. Heavy Hauling Co., Omaha, Neb., moved this 30-ton, 60-ft high water tower approximately 1½ miles from one side of Scandia, Kan., to the other. Two 16-wheel lowboys and two tandem-drive diesel tractors were used for the job. The move was complicated because of the necessity of making a roadway through a corn field for a portion of the trip. The complete move took three days.

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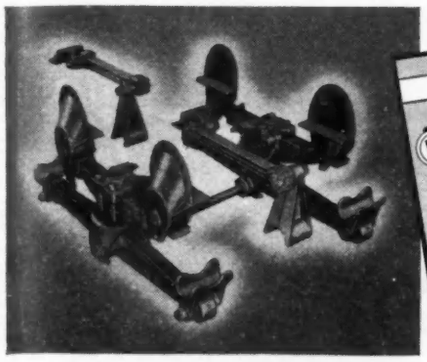
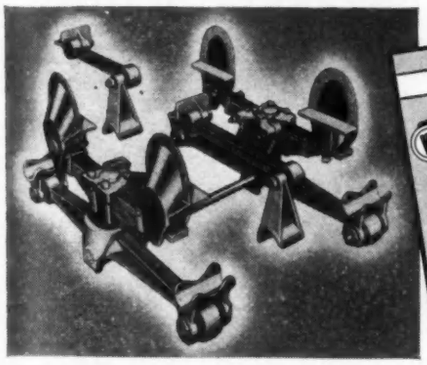
HENDRICKSON offers 3 series of tandems with the SAME BASIC DESIGN!



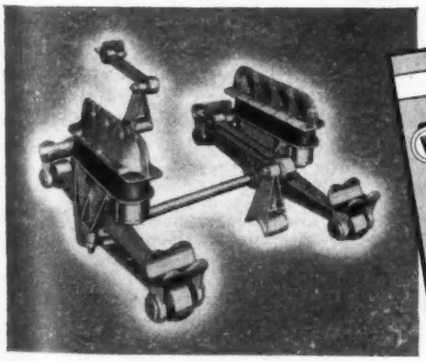
SERIES "T"

- Equalizing Beam
- Leaf Spring
- Ball and Socket Beam End Bushings
- Ball and Socket Torque Rod Bushings
- Self-centering Alignment
- 4 Point Frame Mounting



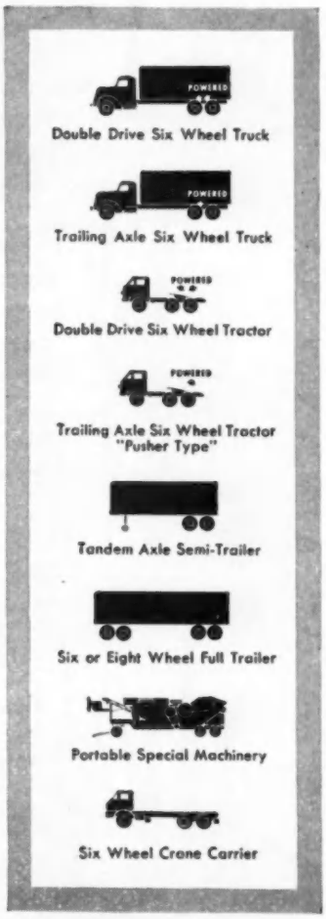
SERIES "RT"

- Equalizing Beam
- Leaf Spring
- Rubber Beam Center Bushings
- Rubber Beam End Bushings
- Rubber Bushed Torque Rod Ball Studs
- Compression-centering Alignment
- 4 Point Frame Mounting



SERIES "R"

- Rubber Load Cushion (Progressive type)
- Rubber Beam Center Bushings
- Rubber Beam End Bushings
- Rubber Bushed Torque Rod Ball Studs
- Compression-centering Alignment
- Four Vertical Drive Pins



HENDRICKSON TANDEM

For complete information about the three series of Hendrickson Tandem Axle Units, the bulletins illustrated in this ad are now available. There is a Hendrickson Tandem Axle Unit for your installation.

HENDRICKSON MOTOR TRUCK COMPANY
8001 West 47th Street
Dept. 16-A
Lyons (Chicago Suburb), Illinois

I am interested in: ☐ T Series, ☐ RT Series, ☐ R Series

Name.....

Company.....

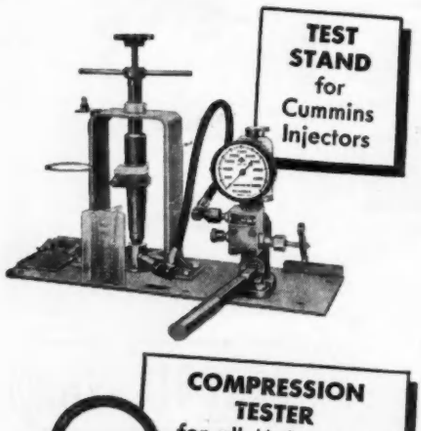
Address.....

City..... Zone..... State.....

HENDRICKSON MOTOR TRUCK COMPANY

8001 West 47th Street · Lyons (Chicago Suburb) Illinois

Diesel SERVICE EQUIPMENT



Other Diesel Service Equipment:

- GM 71 DIESEL TOOLS
- NOZZLE CLEANING KITS
- VALVE LAPPING BLOCKS

BACHARACH INDUSTRIAL INSTRUMENT CO.
7301 Penn Avenue • Pittsburgh 8, Penna.

Send complete information on your Diesel Testers and Service Tools

Name .....

Company .....

Address .....

.....

November Roundup

Continued from Page 322

Cargo Heater

The cargo heater described in the September issue, page 92, item no. P16, should be shown as available from Cargo Guard Co., Thompson's Point, Portland 2, Me. Source was inadvertently listed as Utilities Distributors, Inc., which is not correct.

New Laws

New state laws affecting truck and bus users enacted recently include:

Alabama: H 965—adding an additional ¼ of 1¢ gas tax in Walker County. H 336—making operation of 4-wheel trailers lawful if equipped with pneumatic tires and used only for agricultural products or commodities. H 40—extending $3.00 license fee to pick-up trucks. H 375—providing limitations on time within which action at law may be brought for under or over charges against common carriers subject to Alabama Motor Carrier Act of 1939. H 614—requiring transportation companies to have copies of fruit and vegetable inspection certificates.

New Jersey: H 164—regulating transportation of dead animals.

New York: S 2—fixing annual registration fee for agricultural trucks at 35¢ per cwt of maximum gross weight or fraction thereof and limiting each person to three trucks at that rate. Sets 18,000 GVW limit.

Safety Awards

Fleets awarding their outstanding safe drivers recently, include:

East Texas Motor Freight Lines, Dallas, Texas—to 303 drivers. The total record represents 859 years and 60,000,000 miles of safe driving.

Binghamton Warehouse and Terminal, Inc., Binghamton, N. Y.—to all drivers with safe driving records of five years or more. Awards were made at a dinner-rance given for employees.

Knaus Truck Lines, Inc., Chicago—to 28 drivers. Prizes given the city drivers included wrist watches, diamond rings and gold safe-driving badges.

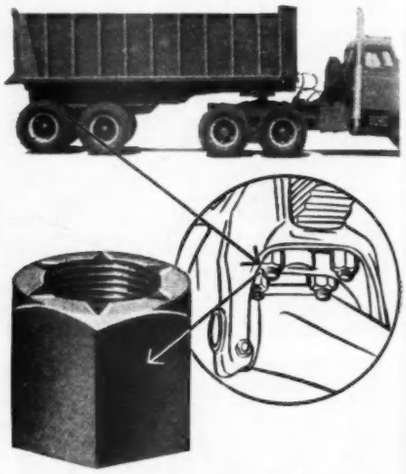
Eastern Motor Express, Inc., Terre Haute, Ind.—to six Cleveland city drivers. Liberty Mutual Insurance Co. gave the Cleveland terminal a special safety award.

Dohrn Transfer Co., Rock Island, Ill.—to 10 drivers from the company's St. Louis, Mo., terminal. Merchandise awards earned on a monthly point basis were also made.

END

Please Resume Reading Page 67

Leaf Spring Breakage?



Eliminate one of the chief causes with—

GRIPCO Hi Nuts

In the usual nut-and-washer fastening for U-Bolts on leaf springs, this is what often happens. The washer breaks and falls out, permitting spring-leaf "play" that causes breakage of the leaves when the truck gets severe jolting. Avoid this trouble by using Gripco Hi-Nuts, and get these advantages:

There is no washer to break and get lost, causing resulting difficulties. Also cost of washers is saved.

Gripco Hi-Nuts lock onto the bolt with a positive engagement of the nut and bolt threads through the entire length of thickness.

Gripco Hi-Nuts will not rust on to the bolt. They can be removed at any time with a wrench, and re-used repeatedly.

Superiority of Gripco Hi-Nuts is proven in highly successful use by leading truck and trailer manufacturers, fleet operators, repair shops, etc. and in severe heavy duty applications such as on northwest woods log trailers.

Samples and prices supplied on request.

GRIPCO

Also Makers of
LOCK NUTS
"CLINCH" NUTS
WELD NUTS

334

GRIP NUT COMPANY
315-C So. Michigan Ave., Chicago 4, Ill.

Why *famous fleets* choose PUROLATOR

SUPERINTENDENTS of these famous fleets agree that regular replacement of oil filter refills keeps operating expenses lower . . . and Purolators* do the job best!

Fleet experts such as these are guided by *results*, not claims. They have tested Purolators in hundreds of thousands of operating miles, and found them best by every standard. When they say there's no finer filter made than Purolator, they *know* what they're talking about!

Here are just a few reasons why Purolators are their best buy, and yours:

Up to ten times the effective filtering area of old-style filters.

Maximum Efficiency: Purolator Micronic* element traps particles down to *submicrons* small (.0000039 in.)!

Maximum Flow Rate: The amazing efficiency of the Purolator Micronic element assures highest filtration rates and long service life.

Will not remove or absorb additives: With Purolator Micronic filtration you keep *all* the oil quality you pay for!

Write for complete information on Purolators best for your own service. And remember . . . Purolator's Fleet Service Department is always ready to help you solve filtration problems—for a truck or a fleet!

*Reg. U.S. Pat. Off.

PUROLATOR PRODUCTS, INC.
Rahway, New Jersey and Toronto, Ontario, Canada
Factory Branch Offices: Chicago, Detroit, Los Angeles

PurOlator
THE WORLD'S FINEST OIL FILTER

When *THIS* WORM TURNS

you've got a **TIGHT** hose connection

No leaky, pinched or mangled hose with AERO-SEAL Hose Clamps! When the precision worm gear drive is tightened, the connection is leakproof. The clamp won't come loose or snap open, even under severe vibration. AERO-SEALS are worth the slight difference, and the profit is good. Easy one-hand installation; removable for use again and again. Four sizes cover 90% of automotive needs. Stainless steel bands. Screwdriver or thumb-clamp type.

Aero-Seal
WORM DRIVE
HOSE CLAMPS
ANOTHER BREEZE MARK PRODUCT
BREEZE CORPORATIONS, INC.
41 South Sixth Street, Newark 7, N. J.

Body Builders

Continued from Page 28

It was emphasized that proper sealing of the body, adequate insulation, and careful design of refrigerated bodies was most important in reducing moisture problems.

Agriculture Tests

H. D. JOHNSON, of the U. S. Department of Agriculture, reported on a series of tests conducted on various methods and types of refrigeration. Reports on these comparative tests on air circulation are available free of charge to interested people he said, and should provide valuable information to body builders as well as to fleets using refrigerated equipment. (See article in July CCJ, Page 80.)

H. P. Hansen, of Dole Mfg. Company, reviewed the application of cold plates to the local delivery fleet, where one type of product is carried and where periods of hold-over are required. (See CCJ story on hold-over plates, Jan. 1953, page 70.)

Dry Ice

ROLLIN F. ALLYNE, of Hunter Mfg. Co., outlined the advantages of units which use dry ice "under control." Here are the reasons, he said, for this trend as expressed by operators of this type of equipment. The initial cost is lower, actually one-half or less compared to other popular methods. High upkeep costs do not develop after the newness has worn off. Reliability is tough to put a price tag on, but this advantage becomes conspicuous with piece of mind and reduced claims. The unit is lighter, resulting in more revenue. In most cases with dry freight, this amounts to 1000 lb more payload. Quick turn-around increases the use factor of the equipment. It is not tied up for maintenance. Measured in dollars, he sums it up this way: lower overall costs of providing refrigerated service.

Controlled circulation with dry ice, Mr. Allyne continued, meets all of the

(TURN TO PAGE 356, PLEASE)

Classified Advertisements

Manufacturers' representatives and distributors, of truck and trailer equipment, wanted. We are reputable manufacturer, of specialized truck equipment, now expanding sales representation and distribution. Limited number exclusive territories available. Box 14, Commercial Car Journal.

FOR SALE Sterling truck tractor, Model HB 27255-D and Talbert 18 foot bed 75 ton low-bed trailer, with extra gooseneck, single axle dolly and detachable third axle. Built in 1950, driven 15,000 miles. E. J. Albrecht Co., 2626 W. 26th St., Chicago 8, Ill.

CLOYES
TIMING GEARS
The Most Complete Line of Replacement Timing Gears in the World

WIDE COVERAGE ON LATE MODEL GASOLINE ENGINES FOR TRUCK AND INDUSTRIAL APPLICATIONS INCLUDING CONTINENTAL - INTERNATIONAL REO - WHITE

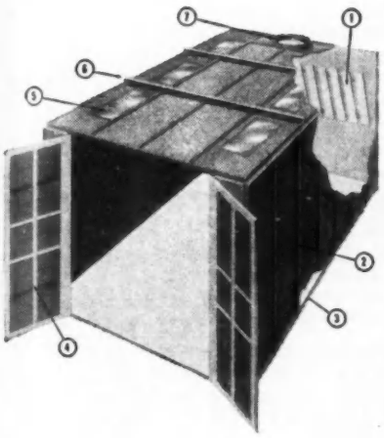
GEARS ARE CROWN SHAVED FOR MAXIMUM ACCURACY AND QUIET OPERATION

Timing Gear Specialists Since 1921.

Write for Address of Your Nearest Cloyes Jobber.

CLOYES
GEAR WORKS, Inc.
17214 ROSELAND RD., N. E.
CLEVELAND 12,
OHIO

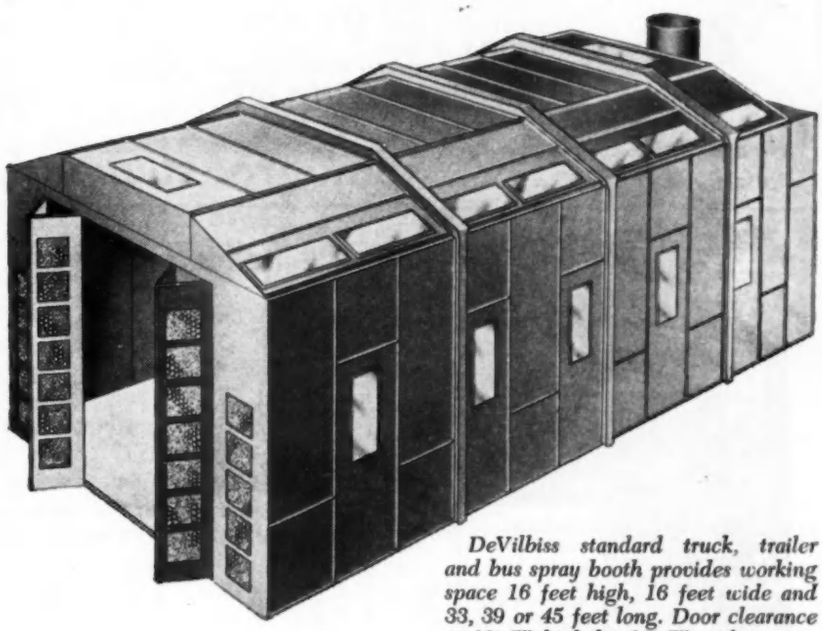
Save Money on Spray Booths!



Cutaway (above) shows DeVilbiss standard spray booth for passenger cars and small trucks; available in 24-, 26- and 28-ft. sizes. All standard booths feature:

1. **Distributing plate assembly** to give uniform flow of air for removal of fumes and vapors.
2. **Metal panel construction** to make booth easy to erect, enlarge or move.
3. **Floor channels** to keep panels in accurate alignment. Bolt at each corner anchors booth.
4. **Filter-type doors** to cleanse air of dust and dirt, allow free flow of air without burdening fan.
5. **Fluorescent light openings** to locate fixtures for proper distribution of glareless light.
6. **Roof beam construction** to eliminate need for cables, guy wires or projecting supports.
7. **Exhaust outlet connection** to permit installation in any type of building—no roundabout piping needed.

DeVilbiss spray booths are manufactured to the standards of the National Board of Fire Underwriters for spray booths as recommended by the National Fire Protection Association.



DeVilbiss standard truck, trailer and bus spray booth provides working space 16 feet high, 16 feet wide and 33, 39 or 45 feet long. Door clearance is 13' 7" high by 10' 7" wide.

Standard panel construction of DeVilbiss spray booths make them easier to erect, cheaper to install, easier to convert. Here's why:

Easier erection—panels are accurately sized and punched so that corners and seams fit snugly and bolt together without binding or misalignment. Panels line up exactly and form a smooth, even interior surface. Simplified design makes booths easy to assemble.

Lower installation costs—you save on labor because your own crews can easily assemble these booths. Rolled edges with mitered and welded corners reinforce the panels to provide a rigid, sturdy structure that is free standing.

Easy to convert to meet future needs—panel-type construction makes it convenient to move, enlarge, rearrange or revamp.

Your DeVilbiss jobber can give you full details on how DeVilbiss standardized spray booths save time and money. He's also ready to help you with up-to-the-minute information on spray methods and materials as well as DeVilbiss spray guns, air compressors, hose and connections. Why not call him today?

THE DEVILBISS COMPANY
Toledo, Ohio
Windsor, Ontario • London, England
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FOR BETTER SERVICE, BUY
DEVILBISS

BRANCH OFFICES AND DISTRIBUTORS IN PRINCIPAL CITIES THROUGHOUT THE UNITED STATES, CANADA AND THE WORLD

Low Air Pressure Indicator

WIG-WAG

FOR AIR BRAKES

The Wig-Wag mounts above the windshield, on driver's side. In horizontal position until warning is needed—the Wig-Wag instantly swings into driver's field of vision whenever air pressure drops below point required for safe air brake operation.

Visible from both inside and outside the vehicle when air pressure is low.
No electrical connections.
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No upkeep expense.
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KEN TIRE CHANGING TOOLS

...they're "Job Designed"

KEN-TOOLS are hand forged from chrome nickel alloy steel...heat treated for extra long life...*Best By Actual Test!*

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MOTOR TRUCKS
GASOLINE ELECTRIC
GENERATING SETS

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TRUCK COMPANY
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SNO-PLOWS
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Both "V" TYPE and ONE WAY BLADE TYPE
hand or power hydraulic control
FOR ALL MOTOR TRUCKS FROM 1½ to 10 TONS

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DAVENPORT-BESLER CORP., DAVENPORT, IOWA
FRINK SNO-PLOWS OF CAN. Ltd., TORONTO, ONT.

Body Builders

Continued from Page 354

following ten requirements to good refrigeration:

1. Thermostatic control adjustable from 0 to 60 deg. F.
2. Forced air circulation with cold air discharge near the ceiling and return air drawn from floor level.
3. A means to effect more uniform refrigeration while the supply of dry ice is diminishing en route.
4. Control of the CO_2 gas so it can be vented to the outdoors or to the cargo section as desired. Most meat shippers believe CO_2 has a beneficial effect on this product.
5. Convenient means to re-ice (with truck still loaded).
6. Positive protection against freezing perishables which should not be frozen.
7. Elimination of moisture drip on cargo.
8. Light weight of unit.
9. Low initial cost.
10. Low upkeep cost.

In the final session of the convention Henry S. Maday, Maday Body and Equipment Co. of Buffalo, N. Y., was elected president, and Paul R. Hafer, Boyertown Auto Body Works, vice president.

END

Please Resume Reading Page 52

DIESEL PARTS

Series 71
278A-268A
12-567 ATL
Hercules – Buda
FM 38D – 8⅛
"Caterpillar"

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Automatically and continuously keep valves in **PERFECT TIMING**

10-25% Increase in POWER
15-20% MORE miles per gal.
75% REDUCTION in valve MAINTENANCE COST

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REAR WHEEL STUDS

for all Trucks
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Send in your old units

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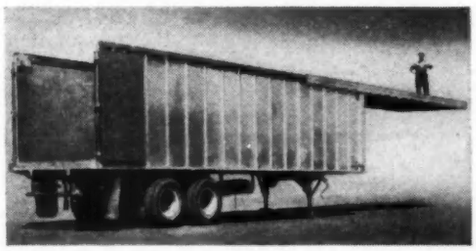
STRICK TRAILERS

The standard of quality to which others are compared

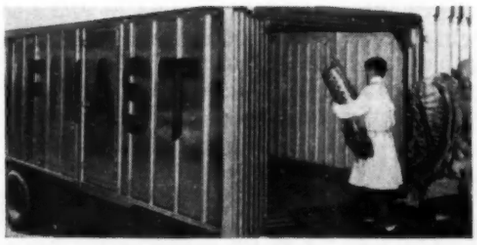
Years of testing under varied highway conditions have proved Strick's superiority in design and construction. From the original Strick Exterior Post Aluminum Van to the newest Strick Plastic Freighter, Strick equipment sets the standard for quality, stamina and long life—the features you need to haul profitable payloads.

Increase payloads with the Strick LWW Model. It offers maximum cubage and the lightest weight available anywhere. Two-inch greater inside width makes the difference between wasted space and an extra stack of cases.

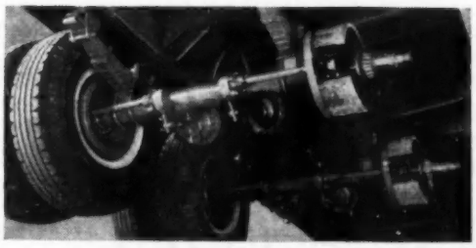


Balance your operations with the Strickroof* Trailer—a closed van that slides back its top for overhead loading. A standard weather-proof van normally loading from rear, it opens up for overhead loading. It's two trailers in one. It never need come back empty.

Don't turn that special load down! The Strick Plastic Freighter is noncorrosive and cleans like a sheet of glass. Ideal for hauling chemicals, acids, lye, lime, lampblack, phosphates, chickens, hides, storage batteries without deteriorating or retaining odors and dirt.



The Strick Plastic Lined Reefer* obsoletes all other reefers on the market. Features include: efficient insulation, doors with permanent fit, imperviousness to moisture, 100% sanitation, no leaks to collect odors or maggots, ability to clean like a sheet of glass.



The Strick Tandem gives you maximum performance at minimum cost. Only two points of lubrication and only two wearing parts in entire trailer. Chatter-free stops, due to time-tested load equalization design. Reinforced to prevent fatigue cracks.

Strick COMPANY

*Pats. Pending

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WHITAKER AVENUE AT GODFREY • PHILADELPHIA 24, PA.

How Baltimore Keeps 600 Buses on "CLEAN" Schedule with MALSBARY

MALSBARY 300 blasts encrusted grease from big Diesel in 30 minutes; saves time by "basket" cleaning small parts.

Baltimore Transit steam cleans each of its 600 buses every 3000 miles; also all engines before overhauls and re-ring jobs. Maintaining this cleaning schedule is important, pays off in extra mileage, quicker overhauls, less downtime. That's why Baltimore five years ago switched to a MALSBARY Model 300 heavy-duty cleaner, now owns four—three clean continuously 8 hours daily, the fourth operates 3 shifts each working day!

MALSBARY Does More, Quicker

But dependability isn't the whole story. MALSBARY exclusive patented pumping system enables you to steam clean at 150-250 lbs. pressure, yet keep heat at 325°F. (an impossibility with other cleaners). Cold water at 400 p.s.i., blasts away corrosive dirt, grease and caked mud in ¼ time required by steam vapor cleaners. You also can quickly degas, heat and clean tankers, strip surfaces for painting, handle many tough jobs others can't touch.

See for yourself—fill in coupon NOW for demonstration on your job.

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- ☐ On-the-job demonstration.
- ☐ Names of nearby MALSBARY users.

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44

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premium brakes at competitive prices

When you install Warner Electric Brakes, there are no complex and costly accessories, compressors and other units to buy. No special hook-up material needed . . . just a single electric cable to each wheel. Body, chassis and tractor design remain the same . . . and no changes are required in the tractor's motor or braking system. Maintenance costs are lower, too. Each brake on the trailer handles its own share of the load . . . Warner Electric Brakes require no adjustment . . . lining rivets cannot come into contact with drum to cause costly scoring . . . no attention required to keep brakes equalized . . . no power cost, use no more current than a taillight. When you consider all these advantages plus the double dependability of two independent braking systems, there can be no doubt that Warner Electric Brakes give you *more* for *less cost* than any other system.

WARNER ELECTRIC BRAKES

"your greatest insurance policy for highway safety!"

WARNER ELECTRIC BRAKE & CLUTCH COMPANY • BELOIT, WIS.

Willard Super Master SMR-2-135 is used exclusively in The Hills Cab Company's 77-unit fleet serving Columbus, Ohio and suburbs.

The Hills Cab Company of Columbus, Ohio, now using Willard Batteries *exclusively* in its 77-unit taxicab fleet, is netting savings of $1,100 yearly since the changeover from batteries previously used. These cabs are two-way radio-equipped, and operate 24 hours a day under all weather conditions. Starts average 35 per day, in temperatures ranging all the way from zero to the torrid extremes of midsummer.

J. L. Hutchinson, Manager, says, "We are of the opinion that Metalex Plate Grids are the answer to the most severe conditions a battery could be put through. It is also our opinion that the Willard Super Master is the answer to long and trouble-free service."

Why not take a tip from Hills Cab Company operations . . . with the probability that you, too, can effect substantial maintenance savings through the use of Willard Batteries. An experienced Willard battery engineer will be glad to analyze your battery requirements, without obligation. Just let us know when you would like him to call.

Through Service We Grow

WILLARD STORAGE BATTERY COMPANY

Factories in: Cleveland • Los Angeles • Dallas • Memphis • Portland
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Great New Line of FWD Trucks with MATH • MATIC DESIGN

A significant engineering achievement which puts the power where there's work to be done by properly proportioning weight and torque

FUNCTION-ALL STYLING for easy mounting of snow-plows, underbody blades, dump bodies and other equipment. Choice of crown or military-type fenders.

RIGI-TAPERED FRAME—25% stronger. Heat-treated alloy steel. Deep taper design *rigidizes* front end for mounting plows and other equipment, distributes load over entire frame.

REAR AXLE—30% stronger. Full-floating. Diameter increased from 1.812 to 2.000.

POWER PROPORTIONING CENTER DIFFERENTIAL—Not only power on *all* wheels, but properly proportioned power for maximum performance at minimum operating cost.

EASY-ACCESS HOOD—Removable side panels and "butterfly" hinged top sections permit instant access to engine, despite close-mounted auxiliary equipment.

TRUNION-MOUNTED RADIATOR—Floating construction, isolated from frame by rubber. Takes the tough shocks without cracking core, shell or hood.

VALVE-IN-HEAD ENGINES in all trucks—light weight, high power output. Diesel engines available for all models.

CUSHIONED ENGINE MOUNTINGS—"Fourmaster" and "Sixmaster" series engines are three-point rubber mounted; quieter, vibration-free.

12-VOLT ELECTRIC SYSTEM — Quick power-surge for cold weather starting; hotter spark; less loss of current under heavy lighting loads.

HEVI-DUTY STEERING GEAR and linkage assures positive control under roughest operating conditions. Power steering optional on all models.

COMFORT CAB—Lots of leg room. Picture-window visibility. Cab hood is three-point rubber mounted. Adjustable seat, of light, strong tubular frame construction. Tip-out instrument panel for easy access.

STIRRUP-ACTION CLUTCH & BRAKES—Power assisted brakes, hydraulically assisted clutch. Suspended design of both pedals for easier servicing . . . provides "stirrup" action for greater leverage.

POWER OPERATED CENTER DIFFERENTIAL LOCK—FWD Center Differential Lock manually controlled but power-actuated. Red dashboard light warns when lock is on.

FWD MATH-MATIC DESIGN *for*

GREATER ECONOMY*—30 to 37% more tire wear! GREATER PERFORMANCE*—40 to 82% more tractive ability! GREATER SAFETY*

Now, it's top truck performance at minimum operating cost, thanks to exclusive FWD Math-Matic Design, the most important advancement in 43 years of heavy-duty truck leadership. Now, it's an all new line of FWD "Fourmaster" and "Sixmaster" series trucks with the widest range of G.V.W.'s in the industry . . . plus many other big features to give you more service for your truck dollar.

THE FOUR WHEEL DRIVE AUTO CO.
CLINTONVILLE, WISCONSIN • Canadian Factory KITCHENER, ONTARIO

* TRUCK RESEARCH PROJECT conclusions. For detailed data on 7 years' research conducted by the University of Wisconsin's College of Engineering, write now for your *free* copy of "The Truck That Went to College."

FWD

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